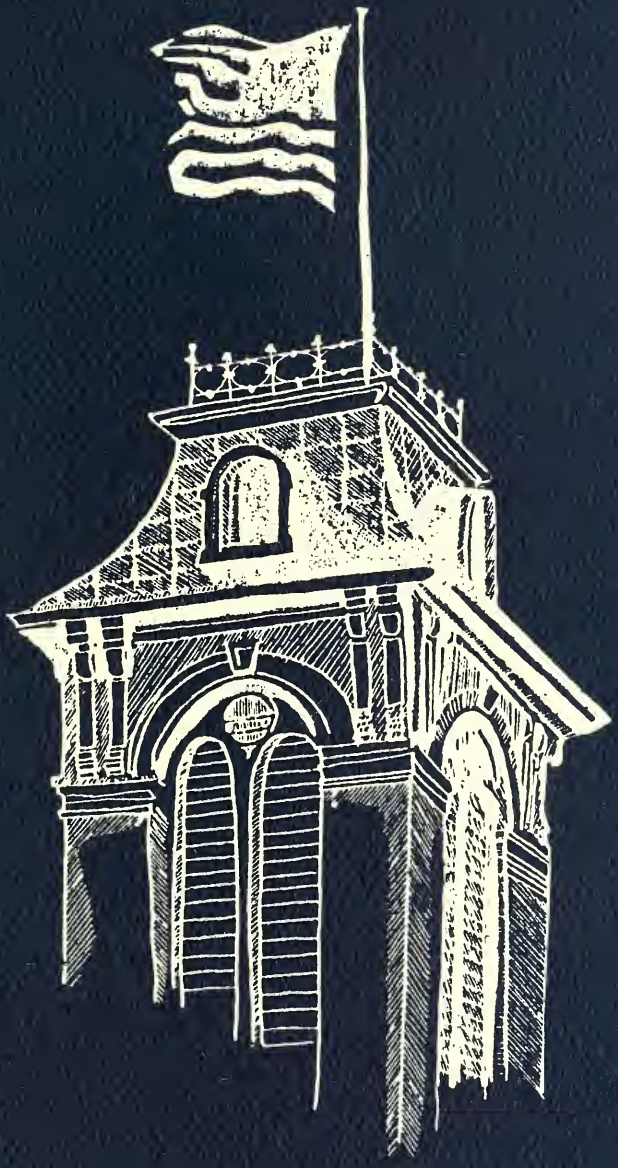
MARYVILLE COLLEGE



1982–84 CATALOG

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MARYVILLE COLLEGE
1982-1984
Catalog

Maryville College
Maryville, Tennessee 37801
(615) 982-6412

Maryville College reserves the right to withdraw courses at any time, change fees, rules, calendar, curriculum, graduation requirements, and any other requirements affecting students. Changes become effective whenever the proper authorities so determine and will apply to both prospective students and those already enrolled.

Additional academic information on class meeting times and places is available in the separate MC course schedule booklet published by the Registrar's Office. Students should consult the MC Student Handbook for policy and regulations relating to student conduct and conditions for dismissal for unsatisfactory conduct, residence hall regulations and the MC policy on Students' Rights to Privacy in compliance with the Family Educational Rights and Privacy Act of 1974. Student grievances are handled through the College's Office of the Vice President for Student Affairs, and copies of the grievance procedure are available from that office.

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Non-discrimination Policy

Maryville College does not discriminate on the basis of race, sex, color, religion, national origin, age, handicap, or veteran status in provision of educational opportunities and benefits.

Pursuant to the requirements of Title IX of the Education Amendments of 1972, P.L. 92-318; and Section 504 of the Rehabilitation Act of 1973, P.L. 93-112, Maryville College does not discriminate on the basis of sex or handicap in the education programs and activities which it operates. This policy extends to both employment by and admission to the College.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the President, Anderson Hall, 982-6412. Charges of violation of the above policy should also be directed to the President's Office.

Maryville College Statement of Purpose

Maryville College is a liberal arts, church-related college. It strives to be an instrument of liberation and growth for adults of all ages. Through its curriculum the College affirms the continuing value of a broad range of study in the humanities, the sciences, and the arts. Avoiding narrow specialization, the College aims to enhance career opportunities and develop a true sense of vocation. To prepare students for a world of uncertainty and accelerating change, the College seeks to stimulate purposeful inquiry, to encourage analytical thinking and effective expression, to foster discriminating aesthetic taste and sound judgment, to provide opportunity for developing personal values, and to nurture the deep concern for persons that leads to constructive action.

Founded by leaders of the Presbyterian/Reformed tradition, Maryville College is related to the United Presbyterian Church in the United States of America in a voluntary covenant. In an atmosphere of freedom and sensitivity, Maryville College bears witness to God's revelation in Jesus Christ who challenges all human beings to search for truth, to work for justice, to develop wisdom, and to become loving persons. Continuing in this vital faith, the College believes that it must listen attentively and humbly to all human voices so that it may hear the call of God no matter how God may speak.

Maryville College is, in essence, a community for learning. This community includes persons with a variety of interests, backgrounds, beliefs, and nationalities. The faculty, as a group of scholars committed to the preservation and advancement of knowledge, emphasizes effective teaching and encourages supportive relationships with students. The students are challenged to grow in academic competence, personal and social maturity, and spiritual discernment and commitment. In such an atmosphere of openness and caring, lasting friendships are formed. Through caring for others on campus and beyond, sharing genuine concern for the world, and working to fulfill the College's purpose, directors, administration, staff, faculty, and students strive to build and strengthen the human community.

Adopted April 1980

The Academic Year

The academic year extends from early September through the end of May or early June. The year is divided into three 10-week terms and a three-week Interim period in December. There is a vacation or holiday period at the end of each term. Beyond the academic year, the College offers two summer sessions of three weeks duration.

1982-1983 Calendar

Fall Term

September 5	1:00 p.m.	Residence halls open for freshmen and transfers
September 6-11		New Student Orientation
September 10	8:00 a.m.	Registration for new students Residence halls open for returning students
September 11	8:00 a.m.-12:00 noon	Registration for returning students
September 12	7:00 p.m.	Opening Convocation
September 13		All classes meet for the first time
September 21	7:00 p.m.	English proficiency examination for sophomores
October 23		Homecoming
October 28-29	1:30 p.m.	Comprehensive examinations for graduating seniors
November 19		Review Day; classes do not meet
November 23	9:45 p.m.	Classes end
November 24-28		Thanksgiving vacation

Interim Term

November 29		Classes begin
December 17		Classes end
December 18	12:00 noon	Residence halls close

Winter Term

January 2	2:00 p.m.	Residence halls open
	7:00 p.m.	Orientation for new students
January 3	7:30 a.m.-12:00 noon	Registration for new students
	1-5 p.m.	Registration for returning students
January 4		All classes meet for the first time
January 13	7:00 p.m.	English proficiency examination for sophomores
March 11	9:45 p.m.	Classes end
March 12	12:00 noon	Residence halls close

Spring Term

March 20	2:00 p.m.	Residence halls open
	7:00 p.m.	Orientation for new students
March 21	7:30 a.m.-12:00 noon	Registration for new students
	1-5 p.m.	Registration for returning students
March 22		All classes meet for the first time
March 29	7:00 p.m.	English proficiency examination for sophomores
May 5-6	1:30 p.m.	Comprehensive examinations for graduating seniors
May 27	9:45 p.m.	Classes end
May 29	8:00 p.m.	Baccalaureate
	9:00 p.m.	President's Reception
May 30	10:30 a.m.	164th Commencement
May 30	5:00 p.m.	Residence halls close

Summer Term

June 6-24	Session I
June 27-July 15	Session II

A Maryville Education

A Maryville education provides you with a range of intellectual skills, a breadth of knowledge and understanding and a firm base for intensive study in a major field. It also helps you become culturally aware, service-oriented and consciously ethical with a real concern for values and a capacity to make morally informed decisions.

With a liberal arts education you leave Maryville able to think, to reason and to communicate—fundamental arts which will provide you the capacity for life-long learning.

Maryville's curriculum has been revamped recently to help you develop these attitudes, skills and knowledge needed to live a successful, productive and satisfying life. Moreover, Maryville has attempted to internationalize the curriculum to prepare you for the global environment you will live and work in following graduation.

Along with its dedication to academic excellence, Maryville offers you an opportunity to interact with highly qualified committed faculty and receive individual attention and assistance during your college years.

While remaining true to its fundamental ideals to provide a quality liberal arts education, Maryville has also adjusted to changing student needs and interests.

Career Planning and Placement

Aware of the current demand for career-oriented programs, Maryville provides opportunities for internships, practicums and interim study arrangements which help you gain job-related experience.

In keeping with the College's philosophy of preparation for life-long learning, our Career Planning and Placement service strives to prepare you to evaluate career and life choices both now and throughout your life.

Beginning on the freshman level, the CPP director works with you and arranges group counseling sessions to help you in your personal and career development. The CPP office also sponsors career information seminars and workshops and maintains a Career Resource Library.

To help you gain practical work experience and earn extra money for college, CPP also makes available part-time employment and summer job listings.

Additionally the CPP office schedules interviews with graduate school representatives and potential employers on campus each year and maintains information on career opportunities with major companies nationwide. The CPP director gives seniors personal assistance in scheduling interviews with potential employers.

Through the efforts of this office, the academic departments and themselves, 97 percent of the Class of 1981 were placed. This includes 65 percent who are employed in careers of their choice and 32 percent

who went on for advanced study. Over the last four years, no less than 95 percent of our graduates have been placed either in jobs or advanced study.

A Total Learning Experience

A Maryville education is and must be more than training for a job or career. At Maryville you learn not only how to make a living but how to take advantage of opportunities that help you develop socially, culturally and physically.

The interaction with faculty in the classroom carries over in out-of-class activities. Because of Maryville's size, faculty and administrators also participate in the various social, cultural and recreational activities. Interaction with them enables you to form lasting friendships.

Dances, parties and informal activities revolving around different themes; a campus Film Festival; the annual May Madness weekend with its outdoor barbeque, concert and competitive sports events' and Coffee House, a variety show featuring faculty, staff and student performers, add to your social development.

Culturally you will find numerous opportunities to enjoy concerts presented through the College's fine arts department. The Performing Artists Concert Series and the Maryville-Alcoa College Community Orchestra series both feature visiting artists throughout the year. The Maryville College Playhouse features drama, comedy and musical productions annually.

The MC Playmakers' dinner theaters, campus opera workshop and the annual college-community production of Handel's "Messiah" augment cultural offerings.

Guest speakers discuss a variety of topics ranging from politics to peace to Japanese art through the College's regular Community Issues and Values series and during the annual February Meetings.

Maryville has many clubs and organizations to help you gain experience that will help you professionally or simply provide an outlet for a special interest or hobby. These include: professional and honor societies; three student publications, including a weekly newspaper, a yearbook and a literary magazine; and musical groups such as the concert choir, orchestra, band and wind and jazz ensemble.

Your physical development may center around an intramural team in over a dozen sports.

Or, you are welcome to try out for Maryville's nationally competitive intercollegiate teams in six sports for men and four sports for women. MC is a member of the NCAA Division III and the Old Dominion Athletic Conference.

If you are interested in a regular program of exercise, you can use the Physical Education Building's facilities which include racquetball courts, an Olympic-size swimming pool, weight room and three gymnasiums; campus tennis courts; and physical fitness jogging path.

Residential Life

Maryville feels the collegiate residential experience is also an important part of your total education. Unless you live with your immediate family within commuting distance of the College, you are expected to live on campus during all four years at Maryville.

Life in the residence hall is based on the premise that your room is your "home away from home." The only rules are those designed to protect your privacy and comfort.

Food Services

As a residential student you will take your meals in the College Dining Hall. You pay for these meals in the comprehensive board fee. The College also operates a Snack Bar which provides short order meals. Students not living on campus are welcome to eat in either of the facilities and pay on a per meal basis. A professional food service company provides all campus food services.

Counseling Services

Maryville's concern for you as an individual is reflected in its counseling services. One junior or senior resident assistant and an aide are available on each floor of each residence hall, assuring you will always have someone to ask for help with academic or personal problems.

You may also turn to your academic advisor, assigned at the start of your freshman year, for help in selecting a major course of study and with other academic or personal problems.

The College also provides a trained counselor at the Counseling Center whose services are free. Tests and conversations with him are confidential.

Maryville's campus minister is always willing to take time to talk with you.

Supportive Environment

Maryville College's location enhances your educational experience.

Knoxville, only a 20-minute drive away, offers numerous cultural and entertainment events in the city and at the University of Tennessee campus located there. The site of the 1982 World's Fair, Knoxville offers excellent restaurants, nightspots, dinner theaters, museums and a zoo.

In contrast to Knoxville's "big city" excitement, you'll find solitude only 25 minutes away from campus in the Great Smoky Mountains National Park. This popular park has ample opportunities for hiking, picnicing, tubing and bicycling along with skiing in the witner.

Located ideally mid-way between these two attractions is Maryville, Tenn., a primarily residential town of which MC has been an integral part

for over 163 years. The College campus is only three blocks from downtown Maryville.

The 370-acre campus itself with its tree-shaded lawns, surrounding fields and scenic College Woods provides a pleasant environment in which to study and live during your years at Maryville.

Campus Facilities

Maryville's compact campus community includes 20 major buildings with excellent physical facilities. These include: *Health and Physical Education Building* with its recreation, exercise and athletic facilities; the modern *Sutton Science Center*, which includes private study and research carrels and a science library; *Chapel0Theater Complex* which houses the MC Playhouse and its 400-seat theater and the 1,200-seat Wilson Chapel, center for many campus-wide meetings, concerts and formal academic programs; *Fine Arts Center* with its gallery for art exhibits and 250-seat recital hall, art and music libraries and private studios and practice rooms; *Fayerweather Hall*, which houses the CPP Center, Office of Student Affairs, Counseling Center, student organization and publications offices, post office, bookstore, student lounge, snack bar and game facilities; five *Residence Halls*, each with study lounges, laundry and kitchen facilities, main lounge with color TV and single and double accommodations; *Lamar Memorial Library*, with its 116,200 volumes, over 500 periodicals and 7,300 tapes, records, slides, films and filmstrips and microfiches, microcards and microfilms, main reading room and individual private study carrels; and the *Center for Campus Ministry*, which contains the campus minister's office, a worship center and all-purpose meeting space.

Spiritual Development

Maryville College is church related which means it still maintains a covenant relationship with the United Presbyterian Church, U.S.A. The Christian faith stands at the center of the College's efforts and aims.

While Maryville's ties are to the Presbyterian Church, students, faculty and staff represent diverse philosophies and religious traditions.

Maryville encourages you to listen to these various ideas but to formulate your own value system as you search for truth, work for justice, develop wisdom and become loving persons.

A Distinguished Heritage

Historically, a Maryville education has always linked learning and faith.

Among the 47 oldest colleges in the United States and one of the 15 oldest in the South, Maryville's history began over 163 years ago

when the Rev. Isaac Anderson dreamed of opening a seminary to train teachers and ministers for the poor and education-starved people in Appalachia.

This young Scotch-Irish Presbyterian minister saw his dream come true when his proposal for the seminary was adopted by the Presbytery of Union and in turn approved by the Synod of Tennessee. The Southern and Western Theological Seminary was founded on Oct. 19, 1819.

Dr. Anderson became the first president and the entire faculty for the five students who enrolled that first fall.

Because most of the young men who applied in the early years were not prepared for graduate study in theology, the Seminary started with literary courses and in a few years added secondary level preparatory classes.

In 1842 the institution applied for and was granted a charter from the state of Tennessee under the name Maryville College.

The Civil War divided the students and faculty in their loyalties to the Union and Confederate causes, and many entered military service. With its buildings requisitioned for housing troops, MC closed in April 1861 for the duration of the war.

After the war, Maryville College began its second or "rebuilding" era when it reopened in the fall of 1866 with 13 students and one teacher.

In 1869 the College purchased a 65-acre building site and moved from downtown to its present location. Construction began that year on the first classroom building, Anderson Hall, which today still houses academic departments although it is used primarily as the administration building.

In 1867-1868 the first women were enrolled in regular (non-preparatory) courses, and in 1875 Maryville College awarded the first B.A. degree received by a woman from any college in Tennessee.

From the outset Maryville had welcomed students regardless of race, and Blacks had been regularly enrolled at the College. However,a 1901 statute forbade the practice, and this law was observed at MC until the 1954 Supreme Court decision declared such discrimination unconstitutional.

From 1901-1917 Maryville's faculty, students, financial resources, curriculum and physical plant expanded until World War I interrupted their growth. This time the College did not close but moved into its third era.

The Southern Association of Colleges and Schools granted official accreditation in 1922; and Maryville began concentrating on collegiate instruction, phasing out the preparatory department in 1924.

Enrollment returned to normal following World War I and began to increase, going from 676 in 1926 to 889 in 1936. The College's physical plant also expanded as buildings began to spring up on campus. Thaw Hall, completed in 1922, was the first of 10 buildings added in a 48-year span.

During this era, educational standards improved as Maryville upgraded admissions requirements and orientation and testing programs and made comprehensive examinations and independent study requirements for graduation.

Intramural and intercollegiate athletics flourished also, except during the war years.

The sharp decrease in the enrollment of men and the resultant decrease in income from tuition during World War II was offset by the influx of veterans in the post-war years.

Both the endowment and the value of the physical plant increased substantially during this era, and Maryville undertook plans for a $6 million campaign to culminate in a Sesquicentennial celebration in 1969.

The College responded to meet the needs of its 1960s students with a new curriculum (1967); a new governance system, the All-College Council, comprised of equal numbers of faculty, staff and students (1967); the introduction of an individualized major and a major in sign language/interpreting (MC awarded the first known B.A. degree in interpreting in the U.S. in 1976); the establishment of an Office of Career Planning and Placement; and an intensified program of orientation, along with first-term, subject-centered Inquiry courses.

Also initiated during the 1960s was the Environmental Educational Program at Tremont in the Great Smoky Mountains, and a Community Issues and Values weekly program replacing the traditional daily chapel service.

The 1970s saw Maryville College move into a fourth era—one of problems and of promise. Limited student enrollment, financial deficits, incessant economic pressures due to high energy costs and inflation were and are a few of the challenges confronting the College.

Maryville College also realized the need for greater community involvement and established programs to accomplish this.

The Preparatory School for the Arts established in 1976 enabled community people ages three to adult to study music, drama and the arts, and was only recently phased out due to lessened demand.

Tremont too was phased out when rising operational and maintenance costs made it no longer cost-effective.

In 1977 a Learning Center was organized to provide area children with professional help for learning disabilities and to give MC students practical experience working with exceptional children.

The College also established a continuing education program to offer a variety of non-credit courses for the enrichment and enjoyment of area residents. In 1978 MC opened a continuing education and community services office under a full-time director to better meet the needs of the community.

In January 1979 Maryville began a new continuing education credit degree program, the first in the institution's history. This program enabled area residents such as businesspersons, homemakers, nurses and others whose schedules prevented them from attending college full time to earn the B.A. degree by pursuing college study on a part-time basis.

To deal with the financial deficits and economic pressures, the College administration has instituted a goal-oriented management system and cost-saving business procedures. Maryville is also exploring innovative programs such as its newly installed boiler system which will use a renewable resource—wood—to fuel the College's heating system and save an estimated 80 percent of its annual utility costs.

In 1979 Maryville embarked on a capital campaign to raise a total of $11.5 million to help the College continue vital programs and services and ensure financial stability in the future.

In May of 1981, the College successfully completed phase one of the campaign ahead of schedule.

The MC Board of Directors in 1980 adopted a new institutional Statement of Purpose to guide the College into the 1980s and beyond. This statement reiterates Maryville's purpose in providing a high quality liberal arts education in a community of learning that challenges each individual student to grow academically, personally, socially and spiritually.

The College's new, more interdisciplinary, curriculum and additional major and minor areas of study reflect the institution's continued dedication to quality liberal arts education.

The addition during the 1981-82 academic year of a new campus minister and the establishment of the new Center for Campus Ministry reiterate Maryville's intention to provide this education in a Christian environment as Isaac Anderson set out to do over 163 years ago.

The Presidents of Maryville College

Isaac Anderson—1819-1857
John J. Robinson—1857-1861
P. Mason Bartlett—1869-1887
Samuel Ward Boardman—1889-1901
Samuel Tyndale Wilson—1901-1930
Ralph Waldo Lloyd—1930-1961
Joseph J. Copeland—1961-1977
Wayne W. Anderson—1977-

Accreditation

Maryville College is accredited by the Southern Association of Colleges and Schools, the regional accrediting agency; and the National Association of Schools of Music.

The College also maintains a continuing relationship with the United Presbyterian Church in the U.S.A. through a voluntary covenant.

Admission and Financial Policies and Procedures

Admission

Admission to Maryville is moderately selective. Annually the College will admit approximately 70 percent of those who apply; admission is aid blind in that students are admitted based on academic criteria without regard to whether or not financial aid is necessary.

The College operates on a rolling admissions calendar which begins to admit eligible students on October 15 each year. Students who wish to apply to Maryville College should follow the applicable procedure below:

A. To apply for admission as a freshman directly from high school the student should submit the following items:

1. Application for admission with a nonrefundable fee of $10.
2. School Report Form: This form is included with the application for admission. Ask the guidance counselor to complete the form and mail it to Maryville College accompanied by an official transcript of high school work.
3. Secondary school transcript mailed by the high school and accompanied by the School Report Form.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

When these items have arrived in the Admissions Office, the student's application will be evaluated and the decision communicated to him or her as quickly as possible.

B. To apply for admission as a transfer, the student should submit the following items:

1. Application for admission with a nonrefundable fee of $10.
2. Secondary school transcript mailed by the high school and accompanied by the School Report Form.
3. Official transcript from EACH college attended.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

Transfer students are notified regarding admission as soon as all of the documents have been received and fully evaluated. An estimate of transfer credits can be furnished at any time.

C. To apply as an international student the applicant should submit the following items:

1. Pre-application for Admission
2. Application for admission with a nonrefundable fee of $10.
3. Official transcript from the secondary school showing 12 years of coursework or more. This document should be in English.
4. Score from Test of English as a Foreign Language (TOEFL)

5. Letter or statement of financial responsibility certifying total resources and who will pay the student's educational and living expenses.

Authority to admit students to Maryville's regular academic program rests solely with the Office of Admissions and the Committee on Admission and Standing.

Specific Criteria

High School Applicants

Although no absolute requirement exists in terms of minimum grade average or class rank, most of Maryville's entering freshmen do rank in the top 2/5 of their respective graduating classes. The freshman class average SAT combined score is approximately 950-1000 and the ACT composite class average is 21.

Secondary School Credits

1. Four years of English
2. One year of laboratory science such as biology, chemistry, physics, earth science
3. Two years of algebra or one year of algebra and one of geometry
4. One year of social studies or history
5. At least five elective academic units among the following: mathematics (excluding general mathematics and arithmetic), science, social studies, foreign languages, Bible and music theory.
6. Although foreign language is not required for admission, it is strongly recommended. Entrance credit in a foreign language will not be allowed for fewer than two units in one language.

Transfer Applicants

Usually to be admitted, transfer students are expected to have a 2.0 (C) grade average and be in good standing at the previously attended institution. Generally more emphasis is placed on college courses and achievement than high school when transfer students are evaluated for admission.

International Applicants

In order to receive admission to Maryville students from other countries should present a strong record of achievement. The required minimum TOEFL score is 500.

Early Admission

Students who have completed the junior year of high school may request consideration for early admission. It is important to furnish evidence of a strong high school record and above average test scores, as

well as a letter from the principal or guidance counselor indicating that the applicant has the intellectual and social maturity to profit from college at this time. The applicant also should arrange for an interview with a representative of the College.

Qualified local high school seniors who have time in their schedules for additional courses are encouraged to enroll on a part-time basis. These students may obtain full details, upon request, from the Director of Admissions.

Veterans

Maryville College welcomes veterans who would like to begin or continue their college education and will accept courses of the U. S. Armed Forces Institute for transfer credit if those courses are comparable to Maryville's course offerings.

Transfer Credit

Maryville College is willing and prepared to work with any student who desires to transfer from another accredited institution to Maryville. The Office of the Registrar is responsible for evaluating transfer credits and will be as flexible as possible in evaluating coursework successfully completed at other accredited institutions. Generally, regular academic courses in which the student has earned a grade of "C" or above will be transferred and applied toward graduation requirements. For graduation, students will need to satisfy the requirements listed in the degree requirements section of this catalog.

If the student has earned the Associate of Arts degree from an accredited junior college, he or she will be given junior standing upon acceptance at Maryville. However, students must satisfy all general education, major and major-related requirements as described in the catalog.

Continuing Education Degree Program

Maryville's Continuing Education Degree Program provides adults whose jobs or family responsibilities prevent them from attending college full-time an opportunity to enroll part-time in day or evening classes. For details, interested persons should call or come by the Office of Continuing Education.

Non-credit courses and seminars are offered through the Office of Community Services.

Credit by Examination

1. Advanced Placement Examination Program of the College Entrance Examination Board: Students who have taken college-level courses in high school and have made a score of 3 or above on one or more AP

examinations will be eligible for placement in advanced courses and may be granted college credit upon approval of the instructional departments involved.

2. College Level Examination Program (CLEP): Listed below are the subject examinations and equivalent courses at Maryville College. Usually if a student's score is at least at the 50th percentile he or she can expect to receive credit for the designated course(s). The College urges applicants to submit these tests no later than the summer prior to their freshman year.

CLEP Subject Examination	MC Course Equivalents
Elementary Computer Programming—Fortran IV	Computer Science 219: Fortran Programming
Computers and Data Processing	Computer Science 121: Introduction to Data Processing
College Algebra-Trigonometry	Mathematics 115: Precalculus Mathematics
Statistics	Mathematics 221: Inferential Statistics
Calculus with Elementary Functions	Mathematics 125 and 225: Calculus I and II
General Chemistry*	Chemistry 221 and 222: Principles of Chemistry I and II*
American Government	Political Science 122: American Government and Politics
Introductory Sociology	Sociology 101: Introductory Sociology
Introductory Micro- and Macroeconomics	Economics 201: Principles of Economics
Introductory Accounting	Business 215 and 216: Principles of Accounting I and II
Introductory Business Law (with essay)	Business 341: Business Law
Introduction to Management	Management 302: Principles of Management

General Psychology	Psychology 101: Introductory Psychology
Educational Psychology	Education 211: Educational Psychology
Human Growth and Development	Psychology 211: Child Development
American History I	History 111: History of the U.S. to 1865
American History II	History 112: History of the U.S. since 1865
Freshman English	English 104: Fundamentals of English Usage
College Composition	English 104: Fundamentals of English Usage
American Literature	English 221 and 222: American Literature
English Literature	General Credit for upper-level course

*Provides six hours of course credit. To obtain credit for additional two hours of laboratory experience, students must either:

(1) demonstrate satisfactory knowledge of laboratory techniques, or
(2) enroll in the laboratory portion of general chemistry and complete it satisfactorily.

Withdrawal Procedure

If one plans to withdraw from the College, the Office of Student Affairs and the Business Office must be notified and an official withdrawal process completed. Failure to attend class does not automatically withdraw or drop a student from a class or the College.

Should a student decide during the year or at the close of the year to terminate enrollment at Maryville, the procedure is as follows: (1) Arrange for an exit interview with the Associate Dean for Student Affairs. (2) Secure from the Office of Student Affairs a check-out sheet for various areas of the College. (3) Have each area on the sheet signed. (4) Return the sheet along with one's I.D. card to the Business Office. Should one be eligible for a refund, the Business Office will make an appropriate adjustment.

Readmission

After withdrawing, should a student decide to reenter Maryville, he or she should contact the Admissions Office for an application for readmission. If one has attended another school since leaving MC, he or she will need to provide a transcript of grades earned elsewhere.

Costs

Each student is charged tuition and fees which cover approximately 60 percent of the cost of services received from the College. The remainder of these costs is met by endowment income and by gifts from board members, alumni, and other friends of the College.

Tuition charges are assessed for each of the 10-week terms as follows:

	Credit Hours Per Term	Tuition
Normal Load	8-11	$1,176
Part-Time Load	Fewer than 8	$145/credit hours
Overload	12 or more	$1,176 plus $130/credit hour for all hours above 11

Basic charges for a year, excluding books and supplies are:

Tuition	$3,920
Board	1,130
Room (average charge)	865
Activity Fee	80
	$5,995

Fees

Individualized reading course	$25
Auditing fee per course	30
Application fee (non-refundable)	10
Graduation fee	35
Late registration fee	25
Studio Art fee	45
Student teaching	55
Laboratory fee	20
Transcript (after first one)	2

Dropping or adding a course

During the week of registration $5 will be charged for a change of schedule (drop or add). After the week of registration, $5 will be charged for adding a course and no charge will be made for dropping a course.

Proficiency exam fee	40
Car registration (on campus)	20
Car registration (commuter)	8

Applied Music Fees

The applied music fee includes use of practice rooms and instruments as well as additional instructional costs. Most lessons are given by members of the departmental staff. Occasionally lessons are arranged for an advanced student with a master teacher in the area. In such cases the student registers with the College and financial arrangements are made with the teacher.

	Per Term	Interim (Optional)
Music Majors		
1. 1 half-hour private lesson per week	$60	$20
2. 2 half-hour private lessons per week in same field, or 1 lesson each in two fields	90	40
3. Class lessons in each field, offered in: piano, voice, strings, brass, woodwinds, percussion, guitar	30	
4. Introduction to Theoretical Skills	30	
Non-Music Majors		
1. 1 half-hour private lesson per week	90	30
2. 2 half-hour private lessons per week in same field, or 1 lesson each in two fields	150	50
3. Class lessons in each applied field (two meetings each week), offered only in piano and guitar	45	

Health Insurance

Maryville College requires every student to be covered by health insurance, either a family plan or the plan made available by the College. Participation in the College's group health insurance plan is at a cost of $72.50 per year. Health insurance information is available from the Business Office.

Payment Policy

All Maryville College students upon acceptance pay a $100.00 deposit of which $50.00 is credited toward tuition and $50.00 toward room deposit. Commuting students only pay the tuition deposit. (This deposit is refundable until June 1.) All remaining tuition charges, fees and residence costs are due according to the following payment plans:

Plan A—Direct Payment

Under this plan all charges are paid by the due date indicated on the statement. Forty percent of the total yearly cost is due in late August. The remaining 60 percent is due in late December.

Plan B—Deferred Payment Plan

Loans are made available for an amount up to one-half of the total of tuition, fees, room and board due in August and again in December. The loan is repaid in monthly installments during the period for which it was borrowed. A service charge is assessed.

Statements are mailed in August and December. Checks should be made payable to Maryville College and mailed to the Business Office.

A student whose account becomes delinquent will not be permitted to register for the following term. Grades and transcripts will also be held until the student has made satisfactory financial arrangements.

Payment Adjustments

Room and meal rates do not cover vacation periods or costs of off-campus study, but adjustments are made in board for officially authorized field trips of a week or longer during the interim term. Adjustments in payments are also made for students who enroll later than the fall term or who meet graduation requirements before the end of the academic year.

Refund Policies

A student who withdraws officially from Maryville College will be given a refund of tuition as follows:

Withdrawal	Percentage of Refund
Within 7 calendar days of 1st day of classes	80%
Within 8-14 days	60%
Within 15-21 days	40%
Within 22-28 days	20%
After 28 days	No Refund

A withdrawal becomes official as of the date the proper withdrawal forms (see withdrawal procedures section of the catalog) are signed by the Vice President of Student Affairs and delivered to the Business Office; and any refund will be computed as of that date.

Failure to notify the Office of Student Affairs or the Business Office promptly when withdrawing could result in a larger percentage being charged. Withdrawal does not cancel fees and charges already incurred.

Proper consideration will be given to a student who withdraws because of illness or physical disability or other serious causes. Refunds for students withdrawing for these reasons are subject to approval by the Vice President of Student Affairs.

A student who is requested to withdraw, or who is expelled for disciplinary cause, will receive no refund of tuition or general fees. A pro rata refund of board ONLY will be made for the remainder of the term in which the suspension occurs.

For a student who withdraws officially from the College, no refund of that portion of the room charge will be made after the first day of classes. A pro rata refund of board ONLY for the remainder of the term in which the withdrawal occurs will be made.

NO REFUNDS ARE MADE FOR STUDENTS DROPPING A CLASS AFTER THE CLASS HAS FIRST MET.

Financial Aid

While the primary responsibility of meeting college expenses lies with the student and the family, Maryville College makes every effort to aid qualified students who could not attend college without financial assistance.

The College is cognizant of proposed drastic cuts in federal aid to students at a time when tuition and room and board costs are rising, and as a direct result, is substituting institutional funds to try to replace cuts in federal and state dollars.

For the 1982-83 academic year the total financial aid funding volume at Maryville will exceed $1 million. Greater than half this total is derived from institutional resources. In 1982–83 alone, funding increased 82.4 percent from the previous year.

To complement this increase, the College undertook a vigorous effort to raise $500,000 for the Emergency Student Aid Fund by June 30, 1982.

"This increase in student financial aid funds from Maryville College reflects the institution's determination to do everything in its power to make sure that no one is denied an opportunity to enjoy a first-class Maryville College education because of insufficient financial resources," MC President Wayne Anderson said in announcing the fund drive.

This concern is not new. Each year approximately 70 percent of MC students receive some financial aid in the form of scholarships, grants, loans, campus employment or a combination of these.

The amount of assistance is based on the student's eligibility to receive financial aid and the amount of funding available in a given year. In addition to need, some consideration is given to academic achievement.

Application Process

To be considered for financial aid at MC a student must be accepted for admission, submit a Financial Aid Form to the College Scholarship Service and submit an Institutional Application for Financial Assistance to the financial aid office. Transfer students must also submit a Financial Aid Transcript.

The necessary forms for all applicants are available from the financial aid office, the admissions office or most high school guidance offices.

Since financial aid packages consisting of one of more types of assistance are awarded on a "first come, first served" basis to eligible applicants, it is wise to complete all required forms and submit them as early as possible. The preferred filing date of the Financial Aid Form is March 1 or earlier.

Scholarships

Scholarships available include the Presidential Scholars Program which offers academic scholarships of one-half tuition to incoming freshmen who have achieved an outstanding high school record. Also, scholarships in art and music are awarded to incoming new students based on their talent and achievement.

Freshmen who are communicant members of the United Presbyterian Church, U.S.A. entering college for the first time are eligible for the National Presbyterian Scholarship.

Additional scholarships in amounts from $100 to half tuition are available to students of superior academic ability, character and promise and who meet the requirements of a designated scholarship fund such as one of the following:

Hyman and Bess Arnowitz Scholarship Fund
Orlean B. Beeson Scholarship Fund
Ola H. Bogle Scholarship Fund
Ernest C. Brown Scholarship Fund
Lowell A. Bunge Scholarship Fund
Robert and Nancy Ailey Burchfield Scholarship Fund
Class of 1912 Scholarship Fund
Grace A. Coe Scholarship Fund
Mr. and Mrs. Edward S. Cowdrick Scholarship Fund
W.R. Dawson Scholarship Fund
Minibel S. Dean Scholarship Fund
Herbert R. Johnson Scholarship Fund
La Jolla Presbyterian Church Scholarship
Henry R. Duncan Scholarship Fund
Ellen Gillespie Scholarship Fund
Carrie Lou Goddard Scholarship Fund
Lombe Scott Honaker Scholarship Fund
George Dewey Howell Scholarship Fund
Edwin R. Hunter Scholarship Fund
John L. and Elsbeth Kind Memorial Scholarship Fund
Kittrell Memorial Scholarship Fund
Robert L. Maclellan Scholarship Fund
Lennie B. Marshall Scholarship Fund
Charles Morton and Octavia Wilson Merrill Scholarship Fund
Robert Breaker Moore Scholarship Fund
Charles R. and Caroline F. Otis Scholarship Fund
Dr. James A. Padgett Trust Fund

Additional scholarships and a program of academic prizes and awards are also available to enrolled students.

Grants

Maryville also offers a wide variety of grants to students who qualify for consideration.

The College participates in federal student aid programs, including the Pell Grant and Supplemental Educational Opportunity Grant (SEOG), which award assistance to full-time undergraduate students on the basis of financial need.

Residents of Tennessee may apply for a state tuition grant via the Tennessee Student Assistance Corporation. Awards are made on the basis of financial need.

Students at Maryville who are eligible may also use Veterans Administration and Vocational Rehabilitation benefits to finance their education.

Loans

Students who wish to pay part of their college expenses on a deferred or installment basis may apply for short-term loans through the College Rotating Loan Fund. Under this program, all MC students enrolled in an academic program and who are in good credit standing with the College may apply to secure a loan for a maximum of one-half of the net amount due at each registration. The loan is repaid in monthly installments during the period for which it is borrowed. A service charge is assessed.

The College also participates in the National Direct Student Loan and Guaranteed Student Loan Programs which provide long-term loans to qualified students.

More extended plans for installment payment of educational expenses may be arranged with commercial agencies. Maryville College cooperates with the following agencies:

The Insured Tuition Plan

(53 Beacon St., Boston, Mass. 02108)

A. Prepayment Plan—Allows students to begin payments now and complete them a few months before graduation. Because this plan does not involve a loan, neither the student or the parent is ever in debt and there is no interest.

B. Extended Repayment Plan—Allows students to begin payments now and complete them up to two years after graduation. Because this plan involves a low-cost loan, monthly payments are substantially reduced. The annual percentage rate is 16 percent.

EFI Fund Management Corporation

(2700 Sanders Rd., Prospect Heights, Ill. 60070)

EFI-Fund Management Plan was created to provide parents and students with a program through which educational expenses may be paid on a monthly installment plan rather than as a lump sum. When applying to EFI-FM, students may select a plan to cover up to four years of expenses, or if the plan is insured, continued education is guaranteed with no further financial burden.

The Tuition Plan, Inc.

(Concord, N.H. 03301)

The Tuition Plan allows monthly installments to be arranged to finance one, two, three or four years of undergraduate study. The annual percentage rate is 17.94 percent.

Employment

Part-time work for students is available in many areas of campus activities. Earnings depend upon the degree of skill, the amount of personal responsibility and time involved and financial need.

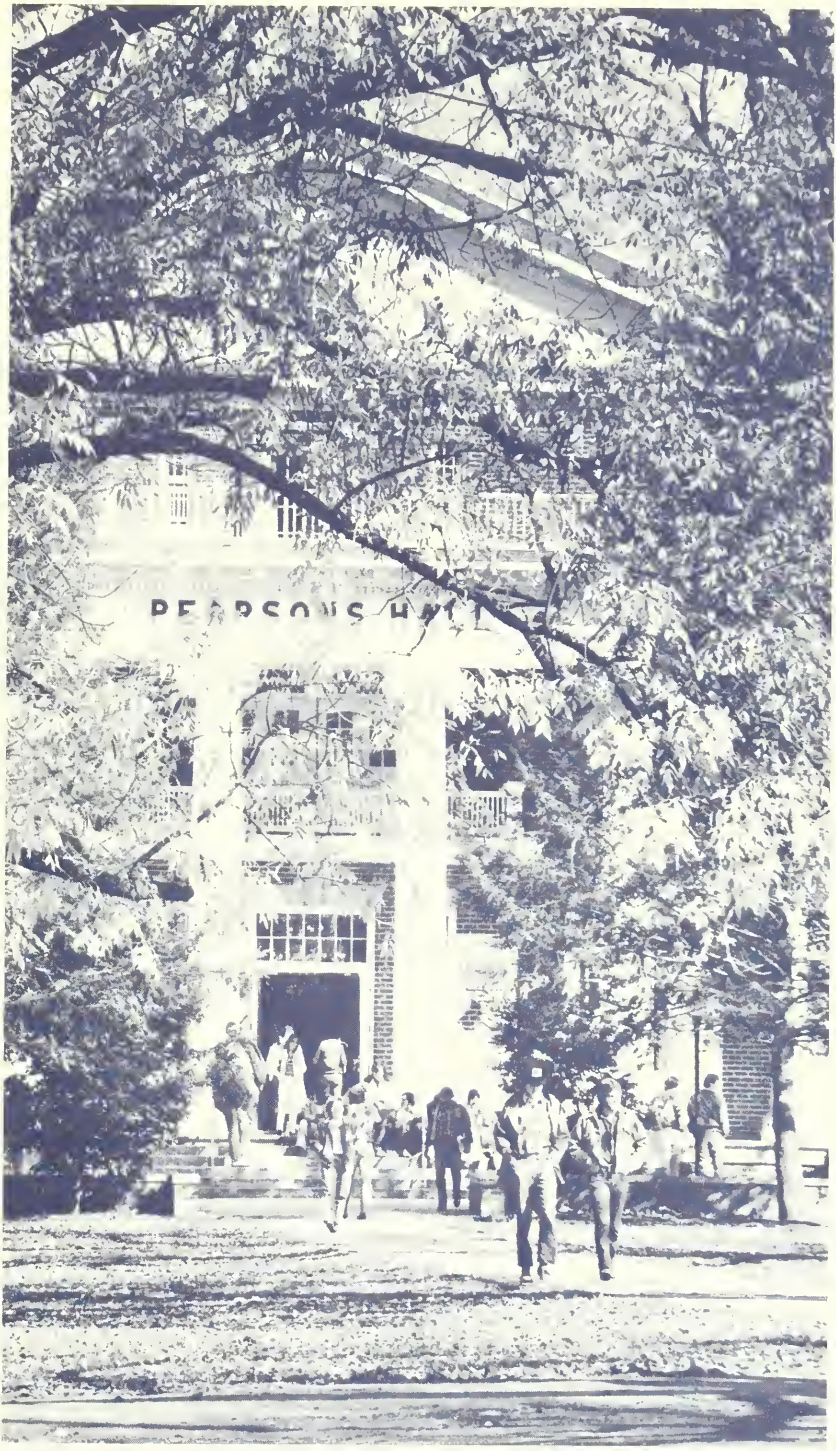
Students not demonstrating need but who possess special skills or ability may also apply.

Net Costs

Eligible students who take advantage of Maryville's various financial assistance programs may reduce their annual expenses. The following data illustrates the net direct costs to those freshmen awarded aid for 1981-82 per family income category:

	less than $10,000	$10,000 14,999	$15,000 19,999	$20,000 24,999	$25,000 29,999	more than $30,000
Direct Costs	$5330	$5330	$5330	$5330	$5330	$5330
LESS Financial Aid	$4267	$3739	$3981	$2977	$3004	$2385
Net Cost	$1063	$1591	$1349	$2353	$2326	$2945
Family Size	3.4	3.64	4.42	4.44	4.38	5.28
# in College	1.28	1.36	1.42	1.24	1.42	1.70

More detailed information regarding specific types of student aid may be obtained from the Office of Financial Aid, Anderson Hall, Maryville College, Maryville, Tenn. 37801.



The Academic Program

Degrees

Maryville College offers two degrees, the Bachelor of Arts and the Bachelor of Music. Both degrees are available in the College's regular day program, designed for full-time students. Through the Continuing Education Program, the Bachelor of Arts is also available to mature adults who wish to pursue the degree on a part-time basis while carrying other, full-time responsibilities; that program is described in another publication.

Degree Requirements

To receive either degree, the student must complete a minimum of 128 semester-hours of credit, with either (a) a cumulative grade point average of at least 2.0 or (b) a grade of C or S or higher for at least 40 academic courses. The courses taken must satisfy all general education, major, and major-related requirements, and the English proficiency examination and a comprehensive examination in the major field must be passed. The specific requirements for each degree are described in the section of this catalog devoted to it. At least 12 hours must be earned in Interim courses.

Every candidate for a degree is expected to pursue his or her program of studies in residence at Maryville, especially in meeting general education and major requirements. If circumstances warrant, permission may be granted for non-resident credit. Approval of the appropriate department chairperson and the registrar is then required in advance. As a minimum, each degree candidate must complete at Maryville 32 credit hours, including 20 in the senior year and nine in the major field. An exception to the senior year requirement is made for students in cooperative degree programs, who spend the senior year in residence at the cooperating institution.

Majors

As a degree requirement, each student completes an approved program of concentrated study in a major field. The major is commonly taken in a single discipline, along with several courses in related subjects. An individualized major may be designed, however, to meet particular educational needs. A disciplinary major consists of a minimum of 30 semester hours in a single discipline, including six hours devoted to an independent study project, and a maximum of 56 hours in all principal and related subjects. For an individualized major, at least 18 hours in one subject, 12 hours in a related subject, and six hours in independent study are required; approval of the Committee on Individualized Majors must also be obtained.

The student may select a major by the end of the freshman year, but such selection may wait until the sophomore year in most fields. Postponement of the choice beyond the sophomore year, or a subsequent change of field, is likely to delay graduation beyond the normal four years. A student planning to pursue a major in a highly structured program, where the sequence of courses is an important consideration, is encouraged to confer with the appropriate department head early in the first year of enrollment. Such fields include the natural sciences, mathematics, elementary education, and the cooperative programs in engineering and medical technology.

Permission of the department head must be secured in order to major in any field. Approval must be registered on the proper form filed by the student with the College Registrar. Continuation in the major is contingent upon satisfactory academic performance. With the exception of an independent study project taken on an "S/U" basis, only courses in which a grade of "C" or better is earned may count toward major or major-related requirements.

Major Fields

The fields from which majors may be selected are:

Bachelor of Arts

Art
Biology
Business Administration
Chemistry
Economics
Elementary Education
Engineering
English
Health Sciences
History
Management
Mathematics
Medical Technology
Music
Physical Education
Physical Therapy
Political Science
Psychology
Recreation
Religion
Sign Language/Interpreting

Bachelor of Music

Church Music
Music Education
Opera/Musical Theatre
Performance

The majors in health sciences and physical therapy are pre-professional in nature, designed to prepare the student for advanced study at another institution. Though the College's graduates have generally been successful in pursuing careers in these fields, completion of either major cannot guarantee acceptance at a professional school, nor does it qualify the student for entry into professional practice. The majors in engineering and medical technology are cooperative programs, involving three years at Maryville College before transfer to the cooperating institution; further information is available in the section of this catalog on Career and Graduate School Preparation.

Independent Study

One of the distinctive features of a Maryville education is the independent study project. Every degree candidate completes such a project in the major field, under the guidance of a faculty supervisor. The subject is of the student's own choosing, and may take the form of literary or historical investigation, laboratory or field research, an interpretative effort, or creative activity in art or literature or music. The independent study requirement allows the student to exercise initiative, plan and complete a substantial piece of work, and gain the confidence and pride that comes from accomplishment.

Comprehensive Examination

In the final term of the senior year every student takes a comprehensive examination in the major field. The examination is designed to test the breadth and depth of understanding of the field, and to assess how well material from individual courses has been integrated. The nature of the examinations varies from department to department, but they commonly include a national standardized test, supplemented by locally developed questions, which may be written or oral.

The grade received on the comprehensive examination becomes part of the total academic record, and quality points may be added or subtracted according to performance. For a grade of "A," 4 quality points are added; for "B," 2 points. A grade of "C" does not affect the quality point total; for "D," 2 quality points are subtracted. A grade of "F" requires a reexamination at a regularly scheduled period. No more than two reexaminations are permitted, and a passing grade must be attained within two years of the first attempt.

Minors

While there is no requirement to do so, any student may elect to complete one or more minor fields. The minor option allows the student to study an area of secondary interest in some depth, and to have that study listed on the academic record. The secondary field may be of a vocational or cultural interest, or it may serve to diversify one's preparation and enhance career opportunities.

A minor consists of at least 15 credit hours in a subject, including 12 hours in courses above the 100-level. Only courses in which a grade of "C" or better is earned are counted toward minor requirements. Specific requirements for each minor are to be found in the departmental listings.

Minors may be taken in most fields in which a major is offered. Minors are also available in the following areas.

Accounting	Philosophy
American Studies	Physics
Computer Science	Sociology
International Studies	Spanish
Medieval Studies	Theatre

English Proficiency Examination

In coursework and personal relations each student is steadily encouraged to develop the capacity to communicate effectively in written and spoken English. That capacity must also be demonstrated through satisfactory performance on an English proficiency examination, required of every student. The examination consists of an essay on a topic chosen from a group of topics of current interest. The essay is evaluated by two or more members of the English staff, who consider its organization, grammatical correctness, clarity, and overall quality.

The examination is given in the second week of each regular term. Every student must take the examination *not later than the spring term of the sophomore year.* Transfer students with sophomore standing who have completed freshman English must take the examination during the first term of enrollment.

The examination must be passed before enrollment in Independent Study, usually the culmination of one's work in the major field. Any student who fails the examination will have an opportunity to correct deficiencies through remedial laboratories. The test must then be retaken the following term. A second failure requires the retaking of English 120 on a non-credit basis. Passing that course with a minimum grade of "C" satisfies the proficiency requirement.

Special Learning Opportunities

Every student's program of study centers on the familiar work of classroom and laboratory, library and studio. Yet important learning also takes place in less familiar settings, where the student is called upon to adapt to a new environment, to act without one's customary support system, to develop trust in one's own resources of intelligence and discipline. It is to encourage that kind of learning, so critical to personal maturity, that the College makes available a variety of special programs.

Interim

The Interim program complements the traditional curriculum with special opportunities for exploration and growth. During the three weeks devoted to the Interim, students concentrate on a single course. The subjects pursued vary greatly from year to year, and the courses offered are not generally available during the rest of the academic year. There is a strong emphasis on experimental and experiential learning.

In lieu of a scheduled course, an upperclassman may propose an independent project to be undertaken during the Interim period. The project requires a campus sponsor, a carefully developed plan, and the approval of the Interim committee.

Satisfactory completion of one Interim is required for each year of enrollment at Maryville College. At least two Interim courses must be in areas outside the major field, and one must be in the major field, usually taken in the senior year. A student who completes an Interim course with an unsatisfactory grade may be allowed, after consultation with the Registrar, to make up the course with a suitable three-credit course offered during a 10-week term; that possibility is open only to one who completes the Interim in which he or she enrolled.

International Study

Mark Twain once wrote that "Travel is fatal to prejudice, bigotry and narrow-mindedness—all foes to real understanding." Recognizing the validity of that statement, Maryville College believes a period of travel and study outside the United States should be a part of one's education whenever possible. Confronting other cultures and viewpoints, learning about the customs and practices in other societies, coping with unfamiliar surroundings in a language not fully one's own can do much to deepen insights and broaden perspectives. Such experiences can also foster remarkable personal growth.

A range of opportunities for guided travel and study is available. Some of these are sponsored directly by Maryville College. In recent years, for example, groups of students and faculty have used the Interim period for trips to Great Britain and the Soviet Union. For more extended periods, however, it is advantageous for the College to associate with other institutions to expand and diversify what can be done. Through such associations Maryville students can experience life and study in many areas of the globe.

Kansai University of Foreign Studies in Osaka, Japan, provides a way for students to learn first-hand about East Asia. The curriculum focuses on Asian Studies, and provides an important supplement to the coursework in international studies offered on the Maryville campus. Those who begin the study of the Japanese language at Maryville may continue it at Kansai University, or they may begin it there. For the benefit of those whose use of the language is not advanced, most of the instruction is conducted in English. Dormitory housing is available, but students may also choose to live with a Japanese family in order to participate more fully in Japanese life.

Through the American Institute for Foreign Study, programs for a summer, a term, or a full year are offered. Most of these are centered in Western Europe, including Britain, France, Italy, Spain, the Federal Republic of Germany, and Switzerland, but opportunities are also available in Austria, Greece, and the Soviet Union.

Students interested in Latin America may enroll in Centro de Estudios Universitarios Colombo-Americano (CEUCA) in Bogota. The period of study may be for a summer, a single term, or an entire year. Since all instruction is in Spanish, at least one year of intensive study of the language is required before enrollment; two years is preferred. CEUCA is sponsored by the Great Lakes Colleges Association.

By arrangement with Kalamazoo College, Maryville students may spend six months or more studying at an African university or college. Opportunities are normally available at two institutions in Sierra Leone, and often at universities in Liberia, Senegal, Nigeria, and Kenya. Participation is dependent upon admission by the African institution and selection by Kalamazoo College, but a place can usually be found for qualified students. For most programs, a summer's preparatory work at Kalamazoo is required.

A period of study abroad is possible at any time after the freshman year, but most students find the junior year, or the preceding summer, the most convenient time. Planning needs to be started well in advance, and is best done in close consultation with the Advisor on International Study. The programs listed here all carry full academic credit. Moreover, students receiving financial aid usually continue to receive most of the assistance they would have if they were taking courses on the Maryville campus during the regular academic year. For that reason, the benefits of study abroad often can be obtained for a lower additional cost than many students expect.

Internships and Practica

Many academic departments offer opportunities for students to gain practical experience, usually related to the major field, through an internship or a practicum. These supervised experiences provide a chance to apply knowledge and skills in an operational setting, while testing one's interest in a particular career or profession. Possibilities range from individual work with exceptional children in the College's Learning Center to editorial duties in a publishing house to service as an aide to a public official. The credit earned is in proportion to the scope and duration of the experience, up to a maximum of six hours for an extended practicum and 10 hours for an internship. Such experiences are routinely available for students in art, business, English, management, physical therapy, psychology, recreation, sign language/interpreting, and teacher education; and they can be developed in other areas to meet student interest.

The Washington Experience

For the student who wishes to spend a term learning in the nation's capitol, the Washington Center for Learning Alternatives provides a variety of possibilities. An internship, supplemented by seminars, may be arranged with any one of more than 400 governmental and social agencies. WCLA invites applications without regard to the student's field, but its programs are particularly suitable for those considering a career in law, public administration, or social service.

Research and Field Work in the Natural Sciences

Through several major research facilities, arrangements are made for superior students to participate in scientific investigation and experience a professional research environment. The Argonne Semester is open to qualified students in biology, chemistry, computer science, mathematics, and physics. Those accepted by the Argonne National Laboratory, Argonne, Illinois, spend a portion of the senior year there, working under the supervision of a scientist or engineer on an on-going research project. At the Savannah River Ecological Station at Aiken, South Carolina, summer programs are offered for the student interested in environmental research or computer modeling systems. For the exceptional biology major, intensive sessions in botany, marine ecology, developmental biology, invertebrate zoology, and neurophysiology are available at the Marine Biological Laboratories of the Woods Hole Oceanographic Institute in Massachusetts. Closer to the College campus, the Oak Ridge National Laboratories regularly afford Maryville students the chance to participate in a variety of short-term and summer research and study programs.

Individual Study Course

For a course in the major field a student may substitute a program of individual reading or experimental work. The student must have at least junior standing. Such a program is pursued under the guidance of a faculty member, who confers regularly with the student and assesses progress. Approval of the department chairperson is required, and an additional fee is charged.

Program on Community Issues and Values

To supplement classroom learning, the College schedules an extensive program of lectures, presentations, and performances. These take the form of weekly convocations attended by students, faculty, and staff, as well as residents of the local community. The series seeks to inform the entire College community about critical issues in politics, religion, economics, social relations, international affairs, and the arts, and to engage participants in discussion of the value considerations posed by those issues.

Attendance and participation is entirely voluntary, and there is no admissions charge. A student who attends regularly, however, may gain credit toward graduation. Thirty programs must be attended, and attendance verified, to earn three credit hours; a maximum of six credit hours may be earned in this way. Those who wish to receive credit for attendance are subject to a regular tuition charge after the credit has been earned.

Career and Graduate School Preparation

Maryville College believes that the best undergraduate preparation for a career is the enhancement of critical skills, the acquisition of broad-based understanding, and the development of personal creativity and competence. These are the traditional emphases of liberal arts education, and their value is widely recognized by the better graduate and professional schools. The student considering application to such schools should consult their catalogs for admissions requirements; most graduate and professional schools do not require a specific major. Counsel should also be sought from one's faculty adviser in planning the program of study at Maryville. Additional guidance about careers may be found in the information that follows.

Arts and Sciences

Maryville graduates pursue advanced degrees in all the major fields of knowledge, and many pursue interests discovered and developed at the College. Careers in college teaching, research, and industry attract a significant number. A strong record in one's major field, as well as evidence of self-discipline and effective communications skills, are important considerations for graduate school admissions committees. For many schools, high scores on the Graduate Record Examination are necessary, and reading knowledge of at least one foreign language is expected. Advice about study in a particular discipline can best be obtained from the appropriate department chairperson.

Business

Careers in some aspect of business attract a large proportion of the current generation of college students. For those interested in self-employment or work with a small firm, a major in general business may be adequate preparation. For the student aiming toward a larger corporation, however, and for those planning to earn a master's degree after leaving Maryville, the undergraduate major in business may not be the best choice. Increasingly, major employers and the more highly regarded business schools emphasize that they can provide the specialized preparation needed, that it need not be acquired in the undergraduate years. More important in many ways than the specific undergraduate major are the capacities to learn quickly, to think critically and analytically, to speak and write clearly, and to be effective in personal relations; these qualities can be developed in most fields of study. Thus the student interested in a

business career might do well to major in another area, while taking some courses, or a minor, in business or accounting or computer science. Consideration should also be given to a major in management, which combines work in several related disciplines.

Church-Related Vocations

Students interested in the ministry, religious education, church music, or other church-related vocations pursue a variety of majors. Religion or church music are obvious choices. Also helpful is work in art, English, history, philosophy, psychology, and sociology, among other fields. Information and counsel about church-related careers and about seminary training are available from the Chairman of the Department of Religion and Philosophy and the Campus Minister.

Engineering

Through cooperative arrangements with the Georgia Institute of Technology and the University of Tennessee, Maryville enables a student to combine extensive preparation in the liberal arts with professional training in engineering. Both arrangements allow the student to earn two degrees in five years of study. The first three years are spent at Maryville, completing college requirements and the courses necessary for further study in engineering or applied science; the last two years are spent at the cooperating institution. Upon satisfactory completion of the fourth year of the combined program, with grades of "C" or higher, the student will receive the B.A. degree from the College. When all requirements for junior and senior engineering students have been met, usually by the end of the fifth year, the cooperating institution will award the Bachelor of Science degree in the area of specialization. The second degree may be earned in over a dozen engineering fields, as well as in the applied sciences, including biology, chemistry, information and computer science, mathematics, physics, and psychology, and in industrial management.

Admission to either cooperating institution requires the recommendation of the College's Dual Degree Coordinator. The Georgia Institute of Technology also requires a minimum grade point average of 2.5 for the first three years of college work. Any student interested in pursuing the dual degree option is urged to consult the Coordinator in the Department of Mathematics, Physics, and Computer Science, as early in the freshman year as possible.

Interpreting for the Deaf and Hearing-Impaired

Recent years have seen a growing awareness of the special needs of handicapped people, and efforts to meet those needs have been renewed. As a result, there are expanding career opportunities for those with the understanding, commitment, and skills to assist persons with handicaps to make their maximum contributions to society. Since 1974, Maryville College has pioneered in the preparation of interpreters for the deaf and hearing-impaired. The College offers a major in interpreting, one of the few four-year programs of its kind in the country. The program is designed primarily to train students to serve as interpreters. A high proportion of the program's graduates have discovered, however, that their preparation has enabled them to move rapidly into supervisory or managerial positions in the field.

Law

The practice of the law requires specialized training at a law school and subsequent qualification for admission to the bar. When considering candidates for admission, law schools do not require any specified pattern of undergraduate preparation. Almost any major offered by a liberal arts college is acceptable, but economics, English, history and political science are among the majors recommended. It is especially important that any prospective law school candidate have an understanding of social, economic, and political institutions, and be able to think, speak, and write clearly. Admission to law school is usually determined by the total undergraduate record and one's score on the national Law School Admissions Test. Further information is available from the Pre-Law Adviser in the Division of Social Sciences.

Medical Technology

The expansion of health care facilities and services has created a continuing need for scientifically and technically trained persons. Medical technology is a field offering attractive career opportunities. In cooperation with the School of Medical Technology of the East Tennessee Baptist Hospital, Maryville College offers a major in this field. The program is highly structured, involving three academic years and perhaps one summer (96 semester hours) at Maryville College, followed by a full calendar year of clinical preparation at the School of Medical Technology. East Tennessee Baptist Hospital reserves two places in each medical technology class for candidates who complete the 96 hour requirement at Maryville College. Beyond those two assured positions, students compete for eight additional positions. Those who complete this 3-1 program receive the baccalaureate degree in medical technology and are eligible

to take the Registry Examination for Medical Technologists and other licensure examinations. The Adviser on Health-Related Professions, a member of the Department of Biology and Chemistry, assists students considering a career in this field.

Medicine and Other Health-Related Professions

For over a half-century an unusually high proportion of Maryville graduates have entered health-related professions, particularly medicine and dentistry. Optometry and veterinary medicine also provide attractive possibilities for the student who is adept in the natural sciences. All these careers require preparation at a professional school following completion of undergraduate work at Maryville. Admission to such schools is highly competitive, usually requiring a superior academic record in college and high scores on national standardized tests. Students planning to enter these fields usually major in biology or chemistry, or follow the cross-disciplinary pre-professional program in the health sciences described in the departmental listings of this catalog. For details about the admissions requirements of a particular school, the catalog of that institution should be consulted. The Adviser on Health-Related Professions is also glad to provide counsel and assistance.

Music Therapy

A career in music therapy requires preparation in music, psychology and therapeutic techniques. Maryville does not offer a degree in this field, but most of the required course work is available. The Bachelor of Music degree, with a major in music education and supplementary courses in psychology, should be pursued. Certification requirements to qualify as a registered therapist can then be completed with additional coursework and an internship at a suitable graduate school. The Chairman of the Department of Fine Arts should be consulted for advice.

Teaching

For the person who enjoys learning, sharing one's knowledge, and helping young people grow, teaching can be a rewarding career. The College offers a major in elementary education and the professional courses necessary for certification to teach at the secondary level. Students preparing for secondary teaching combine a major in a subject discipline with the courses for certification; many earn certification in two subjects. College requirements for both the elementary and the secondary programs are described in the departmental listings of this catalog. Certification requirements vary from state to state; the Registrar can provide specific information and advice.

General Academic Procedures and Regulations

Course Load

To complete a degree in four years, an average of 32 credits a year must be earned. In the typical pattern, a student carries nine or 10 credit hours (usually three courses) in each of the three 10-week terms and three credit hours during an Interim period. No more than three credit hours may be taken in one of the three-week terms, whether Interim or summer session.

A full-time student is also permitted to audit one course each 10-week term without additional charge. Permission of the individual instructor is necessary. The audit does not count toward graduation requirements, but it does appear on the permanent academic record if attendance is satisfactory.

Late Enrollment and Withdrawal

Students are expected to attend the first class meeting of each course. After the first meeting, enrollment in the course is possible only with the permission of the adviser and the instructor. After the first week of classes, enrollment is possible only with the permission of the adviser, the instructor, and the Academic Vice President. Permission to enter a course after five class meetings is given only in rare circumstances.

Withdrawal from a course after the term has begun requires the approval of the instructor and the adviser and the filing of a completed withdrawal form with the Registrar. A course may be dropped with a notation of "W" (withdrew) during the first three weeks of the term. Between the third week and the end of the sixth week, the notation is "WP" (withdrew passing) or "WF" (withdrew failing), depending on one's performance at the time of withdrawal. After the sixth week, the notation is "WF."

A decision to cease attending classes does not constitute withdrawal from a course. Withdrawal is official only on the day the form, properly signed, is filed with the Registrar.

Class Schedule

Classes are scheduled Monday through Friday. Most courses meet three times a week, though instructors are free to schedule additional sessions as needed. Many courses in the natural sciences, and some in

other areas, routinely meet four or five times a week. Laboratories in the sciences and drill sessions in foreign languages are usually held at times different from the scheduled class period, including late afternoons.

Class Attendance

Regular attendance of classes is expected of all students, though each instructor is free to set whatever attendance requirements for an individual course are deemed suitable. These requirements are announced at the first meeting of the class.

The College recognizes as legitimate reasons for occasional absence such difficulties as illness, accident, family grief, or pressing personal responsibility. If absences for these or other reasons exceed four, the student should explain the problem to the instructor, or the instructor may initiate such a discussion. If excessive absences persist, the student may be dropped from the course with a grade of "F." Such action is at the instructor's discretion, following consultation with the Academic Vice President, but it is neither mandatory nor automatic.

Occasionally students who represent the College in off-campus activities find it necessary to miss classes. These absences are officially excused. The number of such absences, however, may not exceed five meetings of a class.

Student Classification

Students are classified as full-time or part-time, as degree candidates or special students, and according to class standing.

Students registered for eight to 11 credit hours during a 10-week term are classified as full-time. Those registered for fewer than eight credit hours are classified as part-time.

Degree candidates are those recognized by the College as pursuing studies leading to a baccalaureate degree at Maryville College. Special students are not recognized as degree candidates, though they do receive full credit for academic work completed with passing grades. The status of special student may be chosen by any student who does not plan to apply for a Maryville degree, or it may result from action of the College if the academic record does not warrant degree candidacy.

Class standing is determined by the number of credit hours earned, the portion of general education requirements met, and the quality of work done, as reflected in the cumulative grade point average. The minimum requirements for class standings above the freshman level are as follows:

For sophomore standing, 29 credit hours with a grade point average of 1.5. At least 13 hours in general education requirements, including Inquiry 110 and English 130, must be completed.

For junior standing, 59 credit hours with a grade point average of 1.7. At least 26 hours in general education requirements must be completed.

For senior standing, 94 credit hours with a grade point average of 2.0. At least 38 hours in general education requirements must be completed.

Academic Standards

Grading System

The grading system at Maryville is as follows:

A— Excellent
4 quality points per course

B— Good
3 quality points per course

C— Satisfactory
2 quality points per course

D— Passing
1 quality point per course

F— Failed
No quality points

Students are graded by this system in all required general education courses, most electives, and all courses taken to meet major requirements (with the possible exception of Independent Study 351-352 noted below).

In some situations grades of "S" (Satisfactory) and "U" (Unsatisfactory) are used. The "S" grade is understood to be the equivalent of at least a "C." All Interim courses are graded on this basis. At the student's option, one elective course each year may be graded "S" or "U." The student may also choose to take Independent Study 351-352 under this system. A decision to take a course on an "S/U" basis must be made during the first week of the term, and the decision filed in the Registrar's Office. Such a decision is final and may not be reversed.

In the following exceptional circumstances these grades are given:

I— Incomplete
Given as a temporary grade when a course cannot be completed due to reasons beyond the student's control; becomes an "F" unless the work is carried to completion by the end of the next term the student is enrolled.

W— Withdrew
Given when a course is dropped during the first three weeks of a term; does not affect grade point average.

WP— Withdrew Passing
Given when a course is dropped in the fourth to sixth week while the student is doing satisfactory work; does not affect grade point average.

WF— Withdrew Failing
Given when a course is dropped after the sixth week, or in the fourth to sixth week while the student is doing unsatisfactory work; affects the grade point average as would an "F."

Grade Point Average

The grade point average (g.p.a.) for a term is computed by dividing the total number of quality points earned by the credit hours attempted during the term. The cumulative g.p.a. is based on all quality points earned and credit hours attempted at Maryville College (except that a repeated course is counted only once). Courses completed satisfactorily at other institutions may count toward graduation requirements, but they are not counted in computing the g.p.a.

Notification of Grades

Students are notified by mail of grades earned as soon as possible after the end of each term. The grades become part of the student's permanent academic record on file in the Registrar's office. In accordance with the Family Educational Rights and Privacy Act, grades are not sent to parents or guardians unless (a) the student requests that this be done, or (b) the parent or guardian makes such a request, certifying that the student is a dependent as defined by the Internal Revenue Service. Such requests must be written and filed with the Registrar.

The Dean's List

The Dean's List is composed of those students whose academic performance was distinguished in the previous term. To qualify, a grade point average of at least 3.25 in all work undertaken must be earned, with no grade below "C."

Graduation Honors

To qualify for graduation with honors, a student must have completed at least 64 credit hours at Maryville College. One who has attained a cumulative grade point average of 3.8 or higher in all work at the College is graduated *magna cum laude*. One whose final grade point average is between 3.3 and 3.8 is graduated *cum laude*.

Academic Standing

It is the responsibility of the individual student to maintain good academic standing and to make normal progress toward a degree. The record of each student is regularly reviewed by the Registrar. Any student whose cumulative grade point average falls below 2.0 is placed on academic probation. To continue enrollment in probationary status, the student must show steady improvement in academic performance.

At the end of the academic year careful consideration is given to the record of each probationary student. If the student falls below minimum standards for credit hours and cumulative grade point average, he or she is not considered to be making normal progress toward a degree.* The student is then subject to suspension from the College, or to a change from degree candidacy to special student status. These minimum standards are described in the *Student Handbook*.

A student suspended from the College may apply for readmission after a period of satisfactory academic work at another institution or other successful work experience. The period of suspension is usually a calendar year, but it may be shorter if circumstances warrant. A student placed in special student status by action of the College may continue enrollment and, when the cumulative g.p.a. is raised to 2.0, petition for readmission to degree candidacy.

A decision to suspend may be appealed to the College's Committee on Admission and Standing. In such an appeal, the obligation rests with the student to explain the special considerations that support continued enrollment.

*Exceptions are made for those students with verified handicaps and those for whom English is a second language.

Conferral of Degrees

Degrees are formally conferred at the Commencement exercises held annually at the close of the spring term. Though requirements may be completed at other times during the year, degrees are officially awarded only at those exercises.

Student Responsibility

Each student is expected to be thoroughly familiar with the academic requirements of the College, as stated in the *Catalog* and the *Student Handbook*. The responsibility for meeting all requirements for graduation rests entirely upon the student. Faculty advisers, department chairpersons, the staff of Office of the Registrar, and the Academic Vice President welcome the opportunity to provide assistance, but the basic responsibility remains with the student personally.

The Bachelor of Arts Degree

The Bachelor of Arts degree embodies the conviction that liberal learning is the best preparation for a satisfying and successful life, whatever one's vocation. The degree allows students to prepare for a variety of careers and professions, but it emphasizes the cultivation of those intellectual and personal qualities that mark the educated person. Through the enhancement of skills and knowledge, the deepening of sensitivities, and the clarification of personal purpose, students learn to deal responsibly with a world of uncertainty and accelerating change.

The curriculum provides opportunity for study over a broad range of subjects as well as more intensive work in a field of special interest. Each student's program of study includes three components: general education courses, major and major-related courses, and electives. The general education component includes a few specifically required courses, but in most areas choices may be made among several options. Some individual requirements in general education are waived by virtue of the student's major; others may be met by demonstration of competence. Major and major-related courses enable the student to gain familiarity with research methods and a body of detailed knowledge. More important, perhaps, they help the student understand what it means to know something well. Electives are any courses taken beyond the general education and major or major-related requirements, including those offered during an Interim period.

General Education

Each student must satisfy the course requirements specified below, either by passing the course, or by demonstrating competence and knowledge through special examination, or by meeting the condition specified for a waiver. The courses are designed for the purposes of general education and are part of no major program.

Freshman Inquiry Seminar and Orientation 110
English 130
Foreign Language 110 and 120[a]
Mathematics 120[b]
Natural Science 150[c] and 250[c]
Fine Arts 210[d]
Social Science 220[e]
Comparative Religion 210
The Humanities Sequence
African Studies 310 or East Asian Studies 320
Humanities 390

[a] Not required of students who demonstrate sufficient oral and aural facility in a second language.
[b] Not required of students majoring in chemistry, mathematics, or pre-engineering or who otherwise demonstrate competence in all four components of the course.
[c] Waived for students with a major or minor in the natural sciences, mathematics, or pre-engineering.
[d] Students majoring in music or art may petition for a waiver.
[e] Not required of students majoring in business administration, economics, management, or political science.

Freshman Inquiry Seminar and Orientation 110
A course designed to acquaint the student with one or more of the primary approaches to knowledge, including the modes of inquiry, assumptions, and operating principles characteristic of related disciplines. Close attention is given to techniques of systematic questioning, data collection, documentation, and formation of conclusions. Through writing exercises and oral presentations, individual initiative and the development of communications skills are encouraged. The course is offered in multiple sections, with each section investigating a different topic. 4 credit hours

English 130: Composition and Research.
A course in organization and research methods, with major emphasis on the library paper. It also includes a review of the mechanics of writing, a study of the methods of rhetoric, attention to style, and practice in oral reports. 3 credit hours

Prerequisite: Placement into the course, or English 104.

Foreign Language 110 and 120
Introductory courses in French, German, Greek, Japanese, Latin, or Spanish, or the equivalent in American Sign Language (ASL 101-201). Detailed descriptions are found in the departmental course listings.

Mathematics 120: Probability, Statistics and Computing
An introduction to the skills necessary for organizing, describing, and interpreting numerical data. Topics covered include logic, probability, measures of central tendency, standard deviation, correlation, and the normal distribution. The laboratory emphasizes the use of calculators and the computer in processing numerical data.
4 credit hours with laboratory
3 credit hours without laboratory
Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.

Natural Science 150: Principles of Scientific Investigation
An introduction to the formulation of scientific questions, fundamentals of observation and measurement, acquisition of data, and drawing of logical conclusions. Courses are offered in astronomy, biology, chemistry, and physics, but each course emphasizes the approaches and techniques common to all scientific investigation. Laboratories and/or field experiences. Cannot be counted toward a major in a natural science discipline. 4 credit hours

Prerequisite: Proficiency in mathematics above the Mathematics 105 level.

Natural Science 250: Topics in Natural Science
An examination of selected topics from an interdisciplinary perspective. The course seeks both to deepen understanding of scientific principles and to demonstrate the diverse effects of science and technology on contemporary society. Offered in multiple sections, with each section considering a different set of topics in the natural sciences. Open to students majoring in the natural sciences only by permission. 3 credit hours

Prerequisites: Natural Science 150 or another suitable laboratory course; Mathematics 120 or its equivalent.

Fine Arts 210
An introduction to aesthetic questions, values, and benefits. Artistic achievements and modes of expression are studied in three media selected from architecture, drama, music, and visual arts. The course includes guided participation and creation in these fields. 3 credit hours

Social Science 220: American Institutions
An examination of the structure and functioning of the major social institutions of the United States. Emphasis is placed on economics, political, religious and family institutions and on their interrelationships. The course should be taken in the sophomore or junior year; it is open to seniors only with permission of the instructor. 3 credit hours

Comparative Religion 210
An introduction to the study of religion as a universal human phenomenon. Among the religions considered are Islam, Judaism, Hinduism, Taoism, Buddhism and Christianity, as well as some primitive religions. Multiple sections of the course are offered; different sections emphasize different traditions. 3 credit hours

Prerequisite: Completion of 200-level humanities required.

The Humanities Sequence

The sequence of courses in the humanities is designed to deepen comprehension of the western heritage, with particular attention to those elements that have emerged from Judeo-Christian and Greco-Roman roots. Different eras and issues are studied, using the approaches of several humanistic disciplines, to help the student to view that heritage holistically, to discern connections among patterns of thought, various forms of creative expression, and socio-economic and political developments. While fostering better understanding of western culture, the sequence also provides an important base for the subsequent study of Asian or African cultures. In addition, each course stresses practice and improvement in communications skills through written assignments and group discussions.

Five courses are to be chosen as follows: either 160 or 180; two courses, to be taken simultaneously, from 260, 270, and 280; two courses from 360, 370, and 380. If 160 is taken, 260 or 360 must also be taken, but both may not be chosen to meet the core requirement. Similarly, if 180 is taken, 280 or 380 must also be taken, but both may not be chosen to meet the core requirement. Selection of courses in this way insures a substantial introduction to each of the periods to be considered, as well as familiarity with the approaches used in the three tracks in the sequence.

Humanities 160: Origins of Western Religion and Thought
Biblical and Classical literature, beliefs, and practices are examined as they emerged from the Ancient Mediterranean and Near Eastern worlds through the second century A.D. Major works, practices and ideas are considered in a chronological and social context.
3 credit hours

Prerequisite: English 105.

Humanities 180: Roots of Western Civilization
The cultural origins of Judeo-Christian and Greco-Roman heritages are viewed from historical and literary perspectives. Biblical and Classical literature, artistic and scientific achievements, political and socio-economic trends and events are considered chronologically.
3 credit hours

Prerequisite: English 105.

Humanities 260: Formation of a European Tradition
The history of western thought from the third to the 18th century, with attention to philosophical, religious, socio-economic, scientific, aesthetic and political ideas. The course traces the merging of Judeo-Christian and classical concepts, and the absorption of Germanic, Islamic, and Mongol influences, to form a distinctive European tradition. Readings from primary sources and lectures are supplemented by directed seminars and panel discussions. 3 credit hours

Prerequisite: Humanities 160 or 180.

Humanities 270: Western Literature from the Roman to the Baroque
The central concern of the course is with the concepts of spiritual and physical vision. The course introduces the Christian concept of the penitential journey (the cleansing of the "inner eye") to spiritual insight and shows its relation to the earlier classical concept of catharsis. Through consideration of sight vs. insight, physical vs. spiritual journey (or quest), physical vs. spiritual wasteland, lectures and readings attempt to give a perspective on the continuity and universality of the human journey from antiquity to modern times. 3 credit hours

Prerequisite: Humanities 160 or 180.

Humanities 280: The Rise of Europe: Synthesis and Schism
An historical survey of western institutions, thought, and culture from the decline of Rome to the Age of the Baroque. The central consideration is the fusion of the Greco-Roman and Judeo-Christian roots of western civilization, the elaboration of that civilization, and its enrichment through contacts with Asia, Africa, and the Americas.
3 credit hours

Prerequisite: Humanities 160 or 180.

Humanities 360: Modern Western Thought
The history of western thought from the Enlightenment to the present. The emphasis is on modifications in the European intellectual tradition, in response to scientific discovery, technological revolution, and newly encountered cultures. 3 credit hours

Prerequisite: Two courses from Humanities 260, 270, and 280.

Humanities 370: Modern Literary Masterpieces
A course designed to acquaint the student with major literary works of the West from 1650 to the present—from Molière through Goethe to Faulkner. Consideration is given to the interrelationship of philosophical, historical, and aesthetic movements as they bear on the literary expressions of the age. 3 credit hours

Prerequisite: Two courses from Humanities 260, 270, and 280.

Humanities 380: The West in Modern Times
An integrated examination of the science, thought, arts and society of the West since the 17th century. Attention is given to new modes of production and social organization, emerging outlooks and ideas, scientific and artistic developments. 3 credit hours

Prerequisite: Two courses from Humanities 260, 270, and 280.

African Studies 310

An examination of sub-Saharan Africa and African peoples from the development of early cultures and empires to the re-emergence of independent states. Emphasis is on West Africa. Approach is holistic, integrating history, societal institutions, religion, arts and economy.
3 credit hours

Prerequisite: Humanities 360, 370, or 380.

East Asian Studies 320
An introduction to the peoples and societies of China, Japan, and Korea. The course surveys major cultural and institutional trends from their origins through the establishment of traditional empire. Asian responses to western influences are traced and changing patterns in politics, economics, and daily life examined. 3 credit hours

Prerequisite: Humanities 360, 370, or 380.

Humanities 390: Values and Decisions in Contemporary Society
A course designed to increase ethical sensitivity and develop the capacity to weigh matters of moral choice. Cross-disciplinary in approach, the course encourages students to bring their separate disciplinary perspectives to bear on problems involving values in conflict. Values analysis and modes of ethical reasoning are stressed, with a view toward helping students learn how to arrive at responsible decisions in situations of complexity and ambiguity. Multiple sections of the course are offered; some deal with a single issue; others consider a combination of topics. 3 credit hours

Prerequisite: Junior or senior standing.

Specialized Programs of Instruction

On the following pages the College's major and minor programs are described, along with the individual courses that are a part of each program. Only courses regularly offered during a 10-week term are listed. Courses offered during Interim periods, which are frequently experimental and experiential, are not included.

Courses numbered 101-199 are primarily for freshmen, 201-299 for sophomores, and 300-399 for juniors and seniors. A few courses, numbered 401 and higher, are intended for seniors only. Close attention should be given to the prerequisites listed for courses above the 100-level.

Many courses are given in alternate years; the year the course is to be offered follows the course description. If no year is stated, the course is given annually.

The College reserves the right to withdraw or reschedule any course for which the number of qualified enrollees is insufficient. If a sufficient demand for additional courses arises, they may be offered.

Committee On American Studies

Professor Parker, Coordinator

The Committee sponsors a multi-disciplinary minor program in American studies, involving courses in three fields. The minor consists of 21 hours. Required are History 111-112 and 231, Political Science 122, and English 221. Six additional hours are selected from English 222, Political Science 321 and 322, History 345, or other suitable special topics courses. The courses are described under the respective departmental listings. Students pursuing the minor are encouraged to complete History 111 and 112 before enrolling in the other courses in the program.

HISTORY 111: History of the United States to 1865

HISTORY 112: History of the United States since 1865

ENGLISH 221: American Literature to 1865

ENGLISH 222: American Literature since 1865

HISTORY 231: History of American Thought and Culture

HISTORY 345: Topics in American History

POLITICAL SCIENCE 122: American Government and Politics

POLITICAL SCIENCE 321: American Political Process

POLITICAL SCIENCE 322: The Judicial Process

Department of Biology and Chemistry

Associate Professors Bunde, Naylor (Chairman), Ramger and Sumner; Assistant Professor Johnston

The Department of Biology and Chemistry offers a variety of programs to meet diverse student interests. In both biology and chemistry, major and minor programs are available. For students preparing for careers in medicine, dentistry, optometry, or veterinary medicine, a cross-disciplinary major is offered. The department also provides, in conjunction with a nearby hospital, a 3-1 program in medical technology. The pre-professional major in physical therapy, described in the catalog section on health and physical education, also draws heavily on courses in biology and chemistry.

Biology

The curriculum in biology provides the student a broad biological background while permitting concentration in specialized areas of particular interest. Field study in the nearby mountains and lakes of East Tennessee and short courses available at the Oak Ridge National Laboratory complement the curriculum.

The major in biology consists of 37 hours in biology and 19 hours in related disciplines. Required courses in biology are 115, 221, 251, 311 or 341, 351-352, 411, 431, and two courses chosen from 241, 321, 311 or 341, and 361. Related requirements are Chemistry 221, 222, 321, 322, and one course chosen from Chemistry 341, 361, Mathematics 221, and Computer Science 218, 219. Physics 101-102 and Mathematics 125 and 225 are strongly recommended for students who expect to enter graduate school and/or pursue research-oriented careers. Suggested languages are German or French, with German preferred.

The minor in biology consists of Biology 115, 221, and three other courses in biology which satisfy the major requirements, for 19 hours in biology.

115. PRINCIPLES OF BIOLOGY

A survey of the fundamental principles and concepts which govern and describe biological systems: cell ultrastructure and physiology; basic biochemistry of the cell and mechanisms of photosynthesis and cell respiration; nuclear and cell division; protein synthesis and the regulation of gene expression. Topics include evolutionary biology; basic Mendelian, molecular, and population genetics; plant anatomy and physiology; and environmental studies. Laboratory work emphasizes cellular organization and function, biochemical processes, and the diversity of living organisms. 4 credit hours

116. INTRODUCTION TO ENVIRONMENTAL ISSUES

Current topics of environmental concern, including consideration of conservation of natural resources and the environmental impact of human societies. Designed primarily for students majoring in elementary education, but open to others by permission of the instructor. Usually taken in conjunction with Biology 115. Cannot be counted toward a major in biology. 1 credit hour

Offered 1983-84 and alternate years

Prerequisite or corequisite: Biology 115.

215. HUMAN ANATOMY AND PHYSIOLOGY

An introduction to the relationships between structure and function in the major organ systems of the human body. The muscular, circulatory, respiratory, digestive, endocrine, and nervous systems are emphasized. Laboratory work involves complete dissection of the cat and comparison of parallel structures in the human. Cannot be counted toward a major in biology. 4 credit hours

Prerequisite: Chemistry 205 or 221.

221. GENETICS

A study of the mechanisms of inheritance in both animals and plants with emphasis on the action of genes in RNA synthesis and enzyme function. Topics include human genetics, chromosomal aberration, human karyotyping, and application of probabilistic and statistical analysis. Laboratory work centers around raising, crossbreeding, and examining statistically several generations of fruit flies. Other topics include chromosome slide preparation, dihybrid crosses in corn, human inheritance studies, and karyotyping of human chromosomes. 4 credit hours with laboratory
3 credit hours without laboratory

Prerequisite: Biology 115, Mathematics 120 or the equivalent.

241. INVERTEBRATE ZOOLOGY

An introduction to the morphology and ecology of the major invertebrate phyla, Porifera through Echinodermata. The protozoans and freshwater planktons are emphasized, as are insect ecology and taxonomy. Laboratory exercises involve collecting, culturing, and characterizing live freshwater and terrestrial invertebrates. An insect collection containing 50 families and at least 10 phyla is required. 4 credit hours

Prerequisite: Biology 115.

251. MICROBIOLOGY

The basic principles and methodologies of the study of microbial organisms with emphasis on cellular ultrastructure and physiology, microbial metabolism and growth, and bacterial genetics. Other topics include properties and reproduction of viruses, the biology of fungi, microbial ecology, pathogenicity, and industrial applications of microbiology. Laboratory work stresses basic research techniques: microscopy, culture growth, isolation and identification of microbes, and numbers and growth rate determination. 4 credit hours

Prerequisite: Biology 221 or permission of instructor.

311. THE BIOLOGY OF CRYPTOGAMS

A study of the major groups of non-seed plants with emphasis on morphology, ecology, and reproduction strategies. The course traces the evolution of the major groups of algae, bryophytes, psilophytes, lycopsids, sphenopsids, and pteridopsids, concluding with the evolution of the seed. Particular attention is given to fossil groups and the evolutionary connections between extant and extinct taxa. The laboratory, which includes field work and taxonomic identification, centers on the morphological examination of living, preserved, and fossil specimens. 4 credit hours

Prerequisite: Biology 221 and junior or senior standing.

321. COMPARATIVE VERTEBRATE ANATOMY

A study of the structure, function, and evolutionary adaptation of the major organ systems of the vertebrates. The muscular, circulatory, respiratory, digestive; endocrine, sensory, skeletal, and nervous systems are examined in the agnathian, placodermian, chondrichythian, osteichythian, amphibian, reptilian, avian, and mammalian classes. Laboratory work involves the complete dissection and identification of the major organ systems of the dogfish shark and the cat. Special dissections of amphioxi, lampreys, fish, turtles, and birds are included. 4 credit hours

Prerequisite: Biology 115.

341. THE BIOLOGY OF SPERMATOPHYTES

The systematics, morphology, anatomy, and reproduction strategies of the major classes and subclasses of seed plants. The course begins with the evolution of the seed and traces the phylogeny of gymnosperms and angiosperms, with emphasis on the fossil record and the principle of homology. Topics include: nomenclature, pollen morphology, pollination ecology, floral anatomy, and dispersal mechanisms. Laboratory work stresses the morphology and anatomy of living and preserved specimens, and includes histological technique and taxonomic identification. 4 credit hours

Prerequisite: Biology 221 and junior or senior standing.

351-352. INDEPENDENT STUDY

Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser, and culminates in a formal paper as if for publication in a scientific journal. 6 credit hours

Prerequisite: At least 19 credit hours in biology and 16 credit hours in chemistry.

361. DEVELOPMENTAL BIOLOGY

An examination of the developmental patterns in animals and plants, with emphasis on animal embryology. Discussions center on starfish, amphioxus, frog, chick, pig, and human development. Selected topics include tissue and cell differentiation as they relate to gene action, and the medical and ethical implications of human embryo experimentation. Laboratory work includes fertilizing and examining the eggs and embryos of live sea urchins and frogs. The developmental stages of live chick embryos are studied in detail. 4 credit hours

Prerequisite: Biology 221 and junior or senior standing.

411. GENERAL PHYSIOLOGY

A detailed study of the major physiological processes in animals. A systems approach is used to analyze the excretory, respiratory, circulatory, endocrine, neuro-endocrine, and neuro-muscular systems in each of the major animal phyla. Special topics include membrane transport, enzyme kinetics, temperature regulation, and behavioral adaptation to light. The laboratory involves acquisition and analysis of physiological data obtained through a variety of techniques such as Warburg respirometry, and physiographic, oscilloscopic, and electrocardiographic recording. 4 credit hours

Prerequisite: Biology 251 or permission of instructor.

431. ECOLOGY

Seminar which explores the unifying principles and concepts of ecology: ecosystems, trophic relationships, and energy flow; population structure and genetics; niche structure and natural selection; succession and forest ecology; and ecological modeling. Field work in the Great Smoky Mountains National Park and surrounding area provides practical research experience through guided independent study projects. 4 credit hours

Prerequisite: At least 19 credit hours in biology.

451. SPECIAL TOPICS IN BIOLOGY

Seminars involving the detailed study of advanced topics in biology not encountered in other coursework. Selected subjects may include cytology, ornithology, and plant physiology. 2 or 3 credit hours
Offered 1983-84
and alternate years

Prerequisite: At least 15 credit hours in biology and junior or senior standing.

Chemistry

The curriculum in chemistry affords the student sound training in the principles and techniques of modern chemical theory and experimentation. The program integrates theoretical, laboratory, and literature skills to provide the range of abilities needed by the practicing chemist, and yet permits concentration in the organic/biochemical or analytical/physical subdisciplines. Opportunity for study at National Laboratories such as Argonne, Oak Ridge, and the Savannah River Ecological Station complement the curriculum.

The major in chemistry consists of 36 hours in chemistry and 19 hours in related disciplines. Required courses in chemistry are 221, 222, 321, 322, 341, 351-352, 361, 381, 391, and 425. Related courses are Mathematics 125 and 225, Physics 201-202, and either Computer Science 218 or 219. Additional coursework in mathematics and physics is recommended for students who expect to enter graduate school and/or pursue research-oriented careers in physical or analytical chemistry. Selected coursework in biology is recommended for students anticipating biochemical applications.

The minor in chemistry requires 19 hours, including Chemistry 221, 222, 321, 322, and three additional hours in courses that satisfy major requirements.

205. FUNDAMENTALS OF CHEMISTRY

Introduction to the fundamentals of chemistry with emphasis on the inorganic, organic, and biochemical concepts needed for the study of kinesiology and physiology. Topics include physical properties of matter, the periodic table, chemical bonding, basic inorganic and organic nomenclature, and solution chemistry. Physiological chemistry and intermediary metabolism are discussed. Laboratory work emphasizes physical measurement, chemical stoichiometry, organic reactions, and the chemistry of biological molecules. Cannot be counted toward a major in chemistry. 4 credit hours

Prerequisite: Mathematics 120 or equivalent, or permission of instructor.

221. PRINCIPLES OF CHEMISTRY I

An introduction to the concepts and principles which govern macroscopic chemical behavior. Among topics discussed are: elements, compounds, and the periodic table; chemical equations and stoichiometry; the gas laws and kinetic molecular theory; thermochemistry; chemical equilibrium; and reaction

kinetics and mechanism. Laboratory exercises stress development of proper experimental technique and the ability to interpret empirical data, and reinforce principles introduced in the classroom. 4 credit hours

Prerequisite: Mathematics 120 or equivalent, or permission of instructor.

222. PRINCIPLES OF CHEMISTRY II

Consideration of concepts and principles of chemical behavior at the microscopic level: physical and colligative properties of liquids and solutions; acid-base equilibria, pH, and buffers; ionic solid solubility; oxidation-reduction processes and electrochemical phenomena; atomic theory; quantum chemistry of atoms and molecules; chemical periodicity; intermolecular interactions and theories of bonding. The laboratory continues development of manipulative skills, with emphasis on quantitative as well as qualitative procedures. Skills in scientific writing are developed through formal laboratory reports.
4 credit hours

Prerequisite: Chemistry 221.

321. ORGANIC CHEMISTRY I

An introduction to the extensive chemistry of carbon-containing compounds. The nomenclature and functional group chemistry of aliphatic organic molecules are emphasized, as are the mechanisms by which they react. The molecular orbital interpretation of chemical bonding, spectroscopic analysis, and chemical kinetics are employed to elucidate reaction mechanisms. Use of the chemical literature is introduced through *Chemical Abstracts, Science Citation Index*, and other reference materials. Laboratory experiments concentrate on separation methods, functional group analysis, and simple organic synthesis. 4 credit hours

Prerequisite: Chemistry 222.

322. ORGANIC CHEMISTRY II

An examination of the fundamnental organic functional groups and their characteristic reactions, with special emphasis on biological, medicinal, pharmacological, and industrial examples. A general introduction to the identification of each compound class by infrared, nuclear magnetic resonance, and mass spectrometric analysis is included. Laboratory work stresses multi-step syntheses and characterization of reaction products using physical and spectroscopic methods. 4 credit hours

Prerequisite: Chemistry 321.

341. QUANTITATIVE ANALYSIS

The principles and techniques of volumetric, gravimetric, and potentiometric methods of analysis. Lectures and laboratory work examine the theoretical and empirical aspects of analytical chemistry through topics such as: treatment of analytical data; theories of solution equilibria; titrimetry; complexation and precipitation reactions; and electroanalytical methods. Ultraviolet-visible and atomic absorption spectrophotometry are introduced for use in quantitative instrumental analysis. 3 credit hours
Offered 1983-84
and alternate years

Prerequisite: Chemistry 222.

351-352. INDEPENDENT STUDY

Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser, and culminates in a formal paper as if for publication in a scientific journal. 6 credit hours

Prerequisite: At least 25 credit hours in chemistry.

361. QUALITATIVE ORGANIC

Methods of organic chemical analysis using classical wet-chemical tests, modern separation techniques, and a broad range of spectroscopic instrumentation. Among the methods discussed are: separation by high-pressure liquid chromatography and gas-liquid chromatography; infrared, visible, and ultraviolet spectrophotometry; mass spectrometry; and proton magnetic resonance spectroscopy. The theory of each method, the practical aspects of sample preparation, and instrument maintenance are stressed. The laboratory centers on unknown sample identification using wet-chemical and spectroscopic techniques. 3 credit hours

Prerequisite: Chemistry 322.

381. PHYSICAL CHEMISTRY I

An advanced study of the physical and chemical properties of systems at equilibrium. Chemical thermodynamics is the principal theme: fundamental laws of thermodynamics; Gibbsian and Maxwellian relationships; detailed characterization of gases; calorimetry and other thermochemical considerations. Other topics include: colligative properties; vapor-liquid equilibria; phase rule and composition diagrams; and transport properties. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Chemistry 222, Mathematics 225.

391. PHYSICAL CHEMISTRY II

An advanced study of the dynamics of chemical systems at the molecular level. Chemical kinetics and an introduction to statistical mechanics are the central themes: measurement of reaction rates and data reduction; transition-state theory; and reaction mechanisms, with emphasis on the steady-state approximation. Additional topics include: the kinetic-molecular theory; the distribution laws of Maxwell and Boltzmann; partition functions of ideal gases; photochemistry; and surface phenomena. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Chemistry 222, Mathematics 225.

411. BIOCHEMISTRY

A detailed treatment of the major classes of biochemical molecules and their structure-function relationships. The physical and chemical properties of proteins, lipids, polysaccharides, and nucleic acids are emphasized through the study of the catabolic and anabolic reaction pathways by which they are metabolized. Special topics include genetic manipulation techniques, immunology, metabolic and degenerative diseases, and enzymology. The laboratory work involves separation, purification, and characterization of biochemically important molecules. 4 credit hours

Prerequisite: Chemistry 322.

425. PHYSICAL CHEMISTRY LABORATORY

Physico-chemical measurement using modern analytical methods and instrumentation. The physical properties, thermodynamics, and kinetics of chemical systems may be investigated using methods such as calorimetry, polarimetry, refractometry, densitometry, potentiometry, and dilatometry. Experiments involving measurements of viscosity, surface tension, electrical conductivity, vapor pressure, and colligative properties may also be performed. The fundamentals of vacuum techniques are introduced, and use of the computer in problem-solving and reaction simulation is encouraged. Development of scientific writing and oral communication skills are stressed through formal laboratory reports and seminar presentations. 2 credit hours

Offered 1983-84 and alternate years

Prerequisite: Chemistry 381 or 391.

451. QUANTUM CHEMISTRY

Fundamentals of quantum mechanics and symmetry arguments as they apply to spectroscopic analysis and elucidation of atomic/molecular structure. The experimental basis of quantum theory is examined along with a detailed description of wave mechanics and its methods. The natures of wave functions and quantum mechanical operators are introduced, and approximate solutions to the Schrodinger wave equation are obtained for simple systems. Other topics include: spectroscopic term designations; calculation of physical constants; and characterization of intermolecular forces and chemical bonding. Symmetry and group theoretical operations are discussed and applied.

3 credit hours

Prerequisite: Chemistry 222, Physics 202, Mathematics 225.

461. SPECIAL TOPICS IN CHEMISTRY

Seminars involving the detailed study of advanced topics in chemistry not encountered in other coursework. Selected subjects are: electrochemistry; radiochemistry; organometallics; polymer chemistry; and photographic chemistry. 2 or 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: At least 16 credit hours in chemistry, junior or senior standing and permission of instructor.

Health Sciences: Pre-Professional Program

The major in the health sciences is a pre-professional program, designed specifically for the student planning a career in medicine, dentistry, optometry, or veterinary medicine. Students interested in such careers may wish to pursue a conventional major in biology or chemistry, rather than this cross-disciplinary concentration, in preparation for application to a professional school. The pre-professional program is more compact than the disciplinary majors and provides greater opportunity for electives outside the natural sciences; such electives often are beneficial both personally and professionally.

The program does include the courses necessary to prepare for the standardized examinations for admission to these professional schools. It should be noted, however, that some professional schools specify certain courses for admission beyond those required for this major. Specific entry requirements for a particular institution should be determined before beginning the program. The Adviser on Health-Related Professions in the Department of Biology and Chemistry is available to assist in these matters.

The major consists of 56 hours of coursework including Biology 115, 221, 251, 321, and 411; Chemistry 221, 222, 321, 322, 341, and 411, Physics 101-102, and six hours of independent study in either biology or chemistry.

Medical Technology

The major in medical technology requires 39 hours in biology, chemistry, and mathematics at Maryville College and 38 hours at the School of Medical Technology. Required courses at Maryville College include Biology 115, 215, 221, and 251, Chemistry 221, 222, 321, and 322, Biology/Chemistry 351, and Mathematics 115. At the School of Medical Technology students are instructed in clinical practice and correlations, and take clinical courses in chemistry and microscopy, microbiology, immunology and seriology, immunohematology, and hematology and coagulation. The Biology/Chemistry 352 portion of the Independent Study is completed as part of this clinical coursework. All the college coursework for the major, as well as the general education and other graduation requirements, must be completed before the beginning of the clinical year.

Department of Education

Professor Sherer (Chairman); Associate Professor Pollio

Teacher education at Maryville College is an interdepartmental function, the responsibility of the College as a whole rather than a single department. The program of preparation combines broad study in liberal arts disciplines, specialized courses in education, and professional training and experience.

For students preparing to teach in primary schools, a major in elementary education is offered. Those interested in teaching at the secondary level major in the subject they wish to teach, and take additional courses in education to meet professional requirements.

Requirements for teaching certification vary from state to state. Information about specific state requirements can be obtained through the Registrar, who is the College's certifying officer. Completion of the programs in elementary or secondary education does not automatically qualify the student for certification in all states, but the proper courses are offered to meet certification requirements in most states. To complete either program in four years, careful planning of one's course of study is necessary to insure that all general education, major and professional requirements are met.

Admission to either of the programs occurs only after certain minimum qualifications are satisfied. A cumulative grade point average of at least 2.2 is required, along with a 2.5 grade point average earned in courses in education and the major field. Satisfactory evaluations are also necessary in personality, health, and social skills. Preliminary screening for admission takes place in the sophomore year, with a second level of screening in the junior year. Admission is conditional until the second level has been passed.

Elementary Education

The major in elementary education consists of 54 hours in professional and related courses. Professional courses are Education 208, 211, 322, 324, 325, 331, 334, and 351-352. Additional courses in related disciplines are Art 282, Biology 115 and 116, English 208, Social Science 303, Health 300, Mathematics 207, Music 306, and Psychology 101. The core requirement for Natural Science 150 should be satisfied with a course in the physical sciences.

Students seeking certification in Tennessee should take, in addition to the above courses, History 111 and 112, HPER 200 and 331, Speech 201, and three hours in physical education activities courses.

Secondary Education

Students complete all major requirements in the subject they wish to teach. Preparation in a second teaching field is recommended. For certification in the social sciences in Tennessee, two fields are required if one of the fields is business, economics, political science, psychology, sociology, or speech. In addition to courses in the teaching areas, the following professional courses are required: Education 208, 211, 327, 328, 332, 334, and Psychology 101.

208. FOUNDATIONS OF EDUCATION
Historic and philosophic foundations of modern Western education from its beginnings in Classical Greece to the present. 3 credit hours

211. EDUCATIONAL PSYCHOLOGY

Consideration of the principles of learning and cognitive theories and their application in the classroom. Consideration of educational testing and measurement, and the interpretation of educational and psychological data.

3 credit hours

Prerequisite: Psychology 101.

322. MATHEMATICS AND SCIENCE IN ELEMENTARY EDUCATION

The course considers suitable methods for teaching mathematical concepts and skills in grades 1-9, and examines ways to foster understanding of the natural world and the approaches to knowledge used by natural scientists.

3 credit hours
Offered 1983-84
and alternate years.

Prerequisite: Junior or senior standing.

324. TEACHING OF READING

Instruction in the varied methods and materials used to teach developmental reading skills, with practical applications. 4 credit hours

Offered 1982-83 and alternate years

Prerequisite: Education 211.

325. LANGUAGE ARTS AND SOCIAL STUDIES IN ELEMENTARY EDUCATION

A foundation course in the basic instructional procedures used to teach language arts as a separate subject and as an integral part of the methodology of social studies. Different techniques and materials in both areas are examined. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Junior or senior standing.

326. METHODS AND MATERIALS IN MUSIC GRADES 1-12.

A study of methods and materials for general vocal and instrumental music classes. Lesson-planning, observation, song-leading, and basic ability on guitar are emphasized. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Education 211.

327-328. METHODS AND OBSERVATION IN SECONDARY EDUCATION

An examination of general principles applied in secondary education, including methods, materials, classroom management, and guidance. A substantial part of the term is spent in observation of a secondary classroom. The two courses are taken simultaneously. 6 credit hours

Prerequisite: Junior or senior standing.

331. STUDENT TEACHING IN THE ELEMENTARY SCHOOL

A supervised teaching experience in an elementary classroom under the guidance of a cooperating teacher. The practical experience is supplemented by weekly seminars. Before student teaching is begun, all other professional course requirements must be completed. 6 credit hours

332. STUDENT TEACHING IN THE SECONDARY SCHOOL
A supervised teaching experience in a secondary classroom under the guidance of a cooperating teacher. The practical experience is supplemented by weekly seminars. Before student teaching is begun, all other professional course requirements must be completed. 6 credit hours

334. EXCEPTIONAL CHILDREN
A course designed to examine different categories of exceptionality, including those children with special abilities as well as disabilities. Offers opportunities to develop skills in diagnosis, curriculum development, methods, and materials needed with exceptional children. Practical experience with exceptional children will be included. 3 credit hours

Prerequisites: Psychology 101, 211, or Education 211.

343. PRACTICUM IN TEACHING THE EXCEPTIONAL CHILD
An opportunity to gain practical experience in working with exceptional children, including those with special talents and abilities as well as those with learning disabilities. 3 credit hours

Prerequisite: Education 334.

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Department of Fine Arts

Professor Bloy (Chairman); Associate Professors Bonham and S. Schoen; Assistant Professors Barger, Bianco, Hoffecker, V. Schoen; Mr. Skinner; Ms. Fennell, Ms. Wheeler

The Department of Fine Arts offers programs in art and music. In art a major and a minor are available. Five majors in music are offered, including a general major for Bachelor of Arts candidates. More specialized programs in performance, music education, church music, and opera/musical theatre lead to a Bachelor of Music degree. These are described in the catalog section devoted to that degree. The department also coordinates instruction in dance, available through the Van Metre School of Dance.

Art

The major in art consists of 40 credit hours in studio art and art history. Required courses are 101, 102, 103; two courses chosen from 201, 202, 203, and 204; 222, 232, 303 (two terms), 312, 314, 316, and 351-352. Each art major is required to prepare a portfolio of art works which are presented in a senior exhibit.

Students planning to meet certification requirements for the teaching of art in elementary and secondary schools take Art 282 and 284, in addition to the other courses required for the major and for certification.

The minor in art consists of 15 credit hours, including one course from 101, 102, and 103; one course from 201-204, or 222 or 232; one from 312-316; and six additional hours in either art history or advanced studio work. Concentration in a single medium or in art history is advised.

101. DRAWING

An introduction to the fundamental aspects of drawing, including line, tone, form, space, and composition. Emphasis on increasing visual awareness, the use of various drawing materials, and developing drawing skills.

3 credit hours

102. TWO-DIMENSIONAL DESIGN

An introduction to the principles of art structure in two dimensions, taught through experimental exercises and applied problems in the visual organization of line, volume, mass, texture, movement, and color. Workshops, lectures, demonstrations, and individual and group critiques are used.

3 credit hours

103. INTRODUCTION TO SCULPTURE AND THREE-DIMENSIONAL DESIGN

An examination of basic problems involving form, light, color, and volume. Materials considered include clay, metal, wire, wood, paper, plaster, and various new media. The possibilities and limitations of tools, equipment, techniques, and materials are explored. Acquisition and development of skills are stressed through workshop, demonstrations, lectures, and critiques.

3 credit hours

201. POTTERY

An introductory course in the basic techniques for clay preparation and handbuilding. Wheel throwing, glaze and slip application, decorating and firing techniques are included. The applications of clay and other media in relief and three-dimensional works are considered; traditional and contemporary uses are encouraged. 3 credit hours

202. PHOTOGRAPHY

Photography considered as an art form, with attention to basic concepts, techniques, and processes. The adjustable camera, lighting, exposure, film and darkroom procedures are studied. 3 credit hours

203. WEAVING

The study of traditional and contemporary techniques of fabric structure and embellishment. Interlacing, interlooping and knotting techniques are considered, along with the study of different loom and non-loom methods. Experimentation with fiber, color, and texture, resulting in unique creative designs for a specific use, is encouraged. 3 credit hours

Offered 1983-84 and alternate years

204. JEWELRY

An introductory course in the use of tools, materials, and processes for forming, joining, casting, finishing, and enameling metals. Work is done in sterling silver, brass, copper, and alloys. Design and execution of distinctive metal objects is emphasized. 3 credit hours

Offered as demand warrants

222. PAINTING

An introduction to painting materials and techniques with emphasis on composition and the expressive use of color. 3 credit hours

Prerequisite: Art 101 or 102.

232. PRINTMAKING

An introduction to basic printmaking processes, including intaglio, relief, silk-screen, and some photographic methods. Each student develops a portfolio of prints, concentrating on one process. Special attention is given to the imaginative and creative use of line, tone, texture, and color. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Art 101 or 102.

282. ELEMENTARY ART EDUCATION

The course provides a background in art and art teaching methods for those preparing to teach at the elementary level or to serve in recreational activities. Does not count toward a major in art. 2 credit hours

Offered 1982-83 and alternate years

284. SECONDARY ART EDUCATION

A course designed for those planning to teach at the secondary level. The emphasis is on the activities and experience suitable for the adolescent student. Does not count toward a major in art. 2 credit hours

Offered as demand warrants

303. ADVANCED STUDIO

Intensive work in one medium: drawing, design, painting, ceramics, printmaking, photography, sculpture, weaving, or jewelry. Advanced study in each medium is available during the term the introductory course is offered. Advanced students work in the same studio with beginning students, but have additional weekly sessions for discussion and critique. The course may be repeated in the same area. 2 credit hours

Prerequisite: An introductory course in the medium.

312. ANCIENT AND MEDIEVAL ART

An examination of painting, sculpture, and architecture in the western world during the ancient and medieval periods. The primary mode of instruction is lecture/discussion with slides. The course seeks to enhance the student's capacity for careful observation of different types of artistic expression.

3 credit hours
Offered 1982-83 and
alternate years

Prerequisite: Humanities 160 or 180.

314. RENAISSANCE AND BAROQUE ART

Architecture, sculpture, and painting in Italy and Northern Europe from the 14th through the 18th century. Attention is given to various methods of the art historian, including the study of iconography, analysis of styles, and comparative approaches. 3 credit hours

Offered 1982-83 and
alternate years

Prerequisite: Humanities 260, 270, or 280.

316. ART OF THE 19TH AND 20TH CENTURIES

An exploration of changing patterns of artistic expression in the modern world from the Neo-Classic and Romantic to contemporary movements. The course emphasizes developments in the West, with some consideration of African and Asian influences. 3 credit hours

Offered 1983-84 and
alternate years

Prerequisite: Humanities 360, 370, or 380.

343. PRACTICUM

Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists, and therapeutic centers. A practicum in art therapy with an agency offering psychological services requires completion of Psychology 101, 211, 301 and 331.

1, 2, 3 credit hours; not to exceed 6

Prerequisite: One term of Art 303.

351-352. INDEPENDENT STUDY

Individual study in either studio art with an exhibit and a formal paper or in art history involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Dance

241-245.

Instruction in dance is available through the Van Metre School of Dance, which has its studios on the Maryville campus. Students enroll for one credit hour per term. A maximum of six hours may be counted toward graduation requirements.

Music

The major in music for those pursuing the Bachelor of Arts degree requires a minimum of 50 hours. Required courses are 101, 102, 111, 112, 201, 202, 211, 212, 301, 302, 303, 304, 351-352. Twelve hours must also be earned in applied music, and four hours in ensemble participation. Description of those courses can be found in the catalog section on the Bachelor of Music degree.

The minor in music consists of 18 credit hours in courses and/or lessons, including 101, 102, and at least six hours above the 200 level.

Before acceptance into any of the programs in music, students must demonstrate basic proficiency in keyboard and theoretical skills. Those who lack this preparation must complete whatever non-credit courses are needed to provide this essential background.

101. BASIC STRUCTURES OF MUSIC AND ELEMENTARY COUNTERPOINT

102. INTERMEDIATE PART WRITING

111. SOLFEGE AND DICTATION I. To be taken parallel with 101.

112. SOLFEGE AND DICTATION II. To be taken parallel with 102.

201. ADVANCED COUNTERPOINT

202. ADVANCED HARMONY

211. SOLFEGE AND DICTATION III. To be taken parallel with 201.

212. SOLFEGE AND DICTATION IV. To be taken parallel with 202.

301. MUSIC HISTORY AND STYLES: Antiquity through the 16th Century.

302. MUSIC HISTORY AND STYLES: 17th and 18th Centuries

303. MUSIC HISTORY AND STYLES: 19th Century

304. MUSIC HISTORY AND STYLES: 20th Century

351-352. INDEPENDENT STUDY

Department of Health, Physical Education, and Recreation

Associate Professor Largen (Chairman); Assistant Professors Cooper and Johnston; Ms. Brown, Messrs. Lambert and Ogden

The Department of Health, Physical Education, and Recreation offers a major in both physical education and in recreation. It also offers as a major field a pre-professional program in physical therapy. A minor is available in physical education. In addition, the department offers a variety of activity courses that allow the general student to enhance physical skills, learn productive uses of leisure time, and develop holistic health.

Physical Education

The major in physical education consists of 52 hours in required and related courses. Required courses are HPER 102, 200, 205, 206, 218, 221, 300, 331, 332, 334, 341, 345, and 351-352; and six additional hours in activities courses, including work in dance, aquatics, gymnastics, and individual sports. Related courses are Biology 215 and Chemistry 205.

The minor in physical education consists of HPER 102 and 221, and nine hours above the 100-level.

101. HUMAN HEALTH AND DEVELOPMENT

A course designed to deepen understanding of holistic health, including the physical, mental, and emotional. Fundamentals of physical fitness are introduced, along with issues of human development from late adolescence through old age. Practical sessions in laboratory and gymnasium.

3 credit hours

205. TEAM SPORTS, INTRAMURAL ADMINISTRATION, OFFICIATING TECHNIQUES.

Rules, skill techniques, teaching progressions of selected team sports. Practical experience in programming and leadership of intramural activities. Study of officiating techniques, followed by field practice. 3 credit hours

211. ATHLETIC TRAINING

An introduction to the care, prevention, treatment and rehabilitation of athletic injuries. Laboratory experience includes first aid, taping, bandaging and injury evaluation. Clinical work with both men's and women's intercollegiate teams is included. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Sophomore standing or above.

218. PRINCIPLES AND CURRICULUM DEVELOPMENT IN PHYSICAL EDUCATION

Principles of curriculum development in physical education are studied with attention to more recent and innovative practices. Field experience included.

3 credit hours

Offered 1983-84 and alternate years

233. ATHLETIC COACHING

Examination and analysis of the coaching profession. Philosophical, psychological, social and financial aspects are considered, along with establishment of policies and programs. Field experience is included. 3 credit hours

Offered 1982-83 and alternate years

300. SCHOOL AND COMMUNITY HEALTH

Study of the factors affecting community health. Consideration is given to the school health program, the healthful school environment, home and school safety, personal health, nutrition, drugs. Usually offered during Interim.

2 credit hours

332. KINESIOLOGY

The study of human movement from anatomical and mechanical perspectives. Knowledge and methods of mechanics are applied to the structure and function of the living human system with special emphasis on joint and muscle function. Major topics include: mechanics of muscloskeletal structure, biomechanical aspects of exercise, forces and human movement, and balance, equilibrium, and stability. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Biology 215.

334. ADMINISTRATION AND SUPERVISION OF PHYSICAL EDUCATION PROGRAMS

Study will focus on the role of management in physical education programs from kindergarten through the 12th grade. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Junior or senior standing.

341. MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION

Study directed toward the use of basic statistical procedures and their application to the evaluation of programs in physical education, test construction, and professional research. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Mathematics 120.

345. PHYSIOLOGY OF EXERCISE

A study of the functions of the major body systems during muscular work. Major topics covered include: bioenergetics, structure and function of skeletal muscle, physiological aspects of fatigue, gaseous exchange and transport, hemodynamics, acid-base balance, and physical training. Laboratory investigations using various electrocardiographic and physiographic equipment.

3 credit hours

Offered 1983-84 and alternate years

Prerequisite: HPER 332 or permission of the instructor.

351-352. INDEPENDENT STUDY IN PHYSICAL EDUCATION

Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Recreation

The major in recreation consists of 51 credit hours in required and related courses. Required courses include 102, 200, 205, 206, 221, 331, 335, 337-338, 342, and 351-352. Related courses are Art 282, Psyc. 101 (with lab) and

Psyc. 221, and Management 302. In addition, six credit hours must be earned in activities courses, chosen from dance, camping, theatre, music, arts and crafts, and individual sports. These courses should be selected in close consultation with the major adviser, and should represent a variety of areas.

102. INTRODUCTION TO PHYSICAL EDUCATION AND RECREATION
A study of the meaning of play, sport, fitness and leisure in the life and culture of man with emphasis on historical and philosophical foundations. Aims and objectives of various agencies and an overview of their programs are presented.
3 credit hours

200. FIRST AID, CARDIOPULMONARY RESUSCITATION, SAFETY EDUCATION
American Red Cross certification program in first aid and cardiopulmonary resuscitation. Safety education procedures are considered in relation to public schools and recreation settings. Usually offered during Interim.
2 credit hours

Prerequisite: Junior or senior standing.

206. SWIMMING POOL OPERATION; FACILITY PLANNING
Study of filtration, water chemistry, pool management. Practice of skills needed for planning a physical education/recreation facility. 1 credit hour

221. SPECIAL PHYSICAL EDUCATION/RECREATION AND MOTOR LEARNING
Designed to provide basic understanding of various handicapping conditions. The course centers on characteristics of these handicaps, possible psychological ramifications, and appropriate physical education or recreation for each condition. Field experience included. 3 credit hours

331. LEADERSHIP IN ACTIVITIES: ELEMENTARY AGE LEVEL
Study of characteristics and needs of the elementary age child and the programs/activities suitable for them. Attention to developing leadership in appropriate play activities. Teaching opportunities with children of this age.
3 credit hours

Prerequisite: Junior or senior standing.

335. PHILOSOPHY, ORGANIZATION, ADMINISTRATION OF RECREATION AND LEISURE-SERVING AGENCIES
Attention to developing a philosophy of recreation and leisure. Study of organization and administration of programs found in leisure-serving agencies. Understanding policies, practices, procedures of administering recreation and leisure programs. 3 credit hours
Offered 1982-83 and
Prerequisite: Junior or senior standing. alternate years

337-338. PRACTICUM IN RECREATION
A field experience, with agencies involved in recreation and leisure programs, such as municipal recreation departments, YWCA-YMCA, summer camps, health spas, theme parks. If taken during the academic year, work may be spread over more than one term. 6 credit hours

Prerequisite: Senior standing.

342. PROGRAM PLANNING IN RECREATION
A study of the process of recreation programming in relation to the characteristics and needs of participants, available facilities, values of activities offered, evaluation techniques used. 3 credit hours
Offered 1983-84 and alternate years

Prerequisite: Junior or senior standing.

351-52. INDEPENDENT STUDY IN RECREATION
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Physical Therapy

The major in physical therapy is a pre-professional program, designed for students interested in pursuing a career in that field. Completion of the program does not qualify the student to practice as a physical therapist. While the program does provide instruction in essential areas and a thorough introduction to the field, additional coursework and clinical experience not available at Maryville are necessary to qualify for certification.

The program is cross-disciplinary, with a minimum of 54 hours required. Required courses are Biology 115, 215, 221, and 361, Chemistry 221 and 222, Physics 101 and 102, Mathematics 221, HPER 211, 221, 332, and 345, Physical Therapy 343 and 351-352. Not required but strongly recommended are at least nine hours in psychology; especially useful are 101, 211, Psyc. 301, and 221 and 331.

343. PRACTICUM IN PHYSICAL THERAPY
Practical experience in a physical therapy facility of a nearby hospital, designed to familiarize the student with procedures and application of principles in a clinical setting. A minimum of 40 hours of clinical work (four hours per week) and a weekly conference are required during the term. 2 credit hours

Prerequisites: Biology 215 and 221, HPER 211, 221, 332.

351-52. INDEPENDENT STUDY IN PHYSICAL THERAPY
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year. 6 credit hours

Activity Courses

The following courses are open as electives to all students, without regard to major field. Each course carries a value of one credit hour, and may be taken on an "S/U" basis.

Aquatics

106 Elementary Swimming
107 Intermediate Swimming
109 Advanced Life Saving
111 Water Safety Instructor

Dance

116 Folk and Square Dance
121 Social Dance

Lifetime and Individual Sports

139 Aerobics
147 Bowling
149 Fencing
153 Golf
154 Gymnastics and Tumbling
163 Racquetball
166 Tennis
168 Weight Training and Figure Control
172 Camping and Outdoor Education

Department of History

Professors Parker, Perkins, and Walker (Chairman); Associate Professors Kratz and Lewis

History is a discipline concerned with humankind in all its variety, and with social and cultural change over time. The study of the past offers liberation from the confined thinking that cannot see beyond the present, and it helps the student achieve the deeper perspective essential to personal and intellectual growth. The department offers a major that serves as preparation for those considering careers in law, journalism, the ministry, teaching, and library or public service. In addition, the department provides instruction for several courses in the general education program, notably in the humanities sequence and in African and Asian studies.

The major in history consists of 42 hours in history and related fields. Courses required in history are: 111, 112, 209, 211, 212, 313, 314 or 315, 321, 342 or 344, 351-352. Related courses are English 221, Art 312 or 314, and one course chosen from Social Science 303, Political Science 211, Sociology 211, Philosophy 301 or 303. Any student who expects to do graduate work in history is strongly advised to acquire intermediate-level proficiency in either French or German.

The minor in history consists of 18 hours, including 111, 112, 211, and three other courses above the 100-level.

111. HISTORY OF THE UNITED STATES TO 1865

Consideration of the colonial experience, struggle for independence, federal period, trans-continental experience, and the North-South struggle.
3 credit hours

112. HISTORY OF THE UNITED STATES SINCE 1865

Emphasis on industrialism and its consequences and the emergence of the United States as a world power. 3 credit hours

209. ANCIENT HISTORY

In alternative offerings the course considers Greece or Rome. When Greece is the subject, the focus is on the crisis of the fifth century B.C. and its consequences. When Roman history is being examined, both the Republic and the Empire are considered, with emphasis on political, legal and cultural aspects. Roman history is offered in 1982-83; Greek in 1984-85.3 credit hours

Prerequisite: Humanities 160 or 180.

211. HISTORY OF ENGLAND TO 1600

Development of the British Isles from prehistoric times through the Tudor period. Special emphasis upon emerging constitutional and cultural patterns and institutions. 3 credit hours

212. HISTORY OF ENGLAND FROM 1600-1945

Examines the religious and constitutional upheavals of the 17th and 18th centuries, the growth of empire, industrialism, and the socio-economic and cultural consequences of these upon modern Britain. 3 credit hours

231. HISTORY OF AMERICAN THOUGHT AND CULTURE

Puritanism; the enlightenment; the Romantic impulse; the Americanization of Christianity; the Southern intellectual tradition; the impact of naturalism, science, and higher education; the counterculture. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: History 111 or 112, or Social Science 220, or English 221.

313. EUROPE IN THE MIDDLE AGES

Search for Community; European genesis in the decaying Roman Empire; attempts at socio-economic synthesis under the auspices of the Church, Empire, feudal institutions and nation-states. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Junior standing or above.

314. RENAISSANCE AND REFORMATION

The breakdown of the medieval synthesis from the 14th to the 17th centuries. Religious schism and reformation; nation state-making and new political theory; humanism and its consequences in the arts, education and society; economic and political expansion of Europe. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Two courses from Humanities 260, 270, 280.

315. NINETEENTH CENTURY EUROPE: 1789-1900

The French Revolution and its heritage—nationalism, liberalism, democracy, socialism; industrialism and its consequences; religious, intellectual, and artistic foundations of the 20th century. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Two courses from Humanities 260, 270, 280.

321. THE EUROPEAN WORLD since 1900

The culmination and decline of Europe's world preeminence. Traces the two world wars and the economic, ideological, social and cultural changes to the 1960s. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Junior standing or above.

342. HISTORY OF AFRICA

The African peoples, their empires and kingdoms; their contacts with Greco-Roman, Persian, Arab, and European worlds. Emphasis on developments of the 19th and 20th centuries—slavery, the scramble for hegemony, colonial systems, independence movements, and the new states. 3 credit hours

To be introduced 1984-85

Prerequisite: Humanities 310.

344. MODERN CHINA

An examination of developments in China in the century and a half after 1800. The transformation of traditional society, the impact of western influence, the development of nationalism from its inception to the establishment of the People's Republic in 1949. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Humanities 320.

345. TOPICS IN AMERICAN AND EUROPEAN HISTORY

A course with subject matter that changes from year to year, depending on the particular interests of faculty and students. Topics considered in recent years include the American South and Russia. 3 credit hours

Offered as demand warrants

351-352. INDEPENDENT STUDY

Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

Committee on International Studies

Professor Kim, Coordinator

The Committee offers a multi-disciplinary minor in international studies, which draws on several disciplines in the social sciences and on history. For students interested in international service or business, the minor can be an important supplement to the major field. The minor consists of 15 hours and must include Political Science 221 and 212, Sociology 211 or Social Science 303, Economics 221 or 325. One additional course may be chosen from History 342 or 344 (both have prerequisites), or Political Science 311 or 312.

POLITICAL SCIENCE 211: Comparative Government and Politics

POLITICAL SCIENCE 212: International Politics

SOCIAL SCIENCE 303: Cultural Geography

SOCIOLOGY 211: Cultural Anthropology

ECONOMICS 221: Economic Development

ECONOMICS 325: International Trade and Finance

POLITICAL SCIENCE 311: Government and Politics of East Asia

POLITICAL SCIENCE 312: Comparative Foreign Policy

HISTORY 342: History of Africa

HISTORY 344: History of Modern China

Department of Interpreting for the Deaf

Professor Waters (Chairman); Assistant Professor Young

The major in Sign Language/Interpreting is designed to prepare students for a profession of interpreting/transliterating for deaf and hearing-impaired persons in a variety of situations. It also provides a foundation for students wishing to work with hearing-impaired persons in other fields.

Students are introduced to all modes of communication used by the deaf community. Videotaped materials are accessible for individual study of a broad cross-section of communication methods. Interaction with hearing-impaired persons and use of audio-visual equipment provide opportunities for the development of skills. A supervised internship in an approved off-campus agency is an essential part of the major program.

The major consists of 55 credit hours, including 40 hours in major courses and 15 hours in related courses. Major courses are 101, 102, 105, 201, 202, 301, 302, 303, 306, 321, 337-338-339, and 351-352. Related courses are Psychology 101, 307, and 331, Management 302, and Social Science 301.

A minor in American Sign Language requires 18 credit hours consisting of the following courses: 101, 102, 105, 201, 202, 301, and Psychology 307.

101. SIGN LANGUAGE STUDIES
A survey course introducing sign language and gestural systems used by the deaf community. Topics considered include the history of sign language, cultural factors influencing the language, and structural differences in sign systems. Laboratories provide experience in signing and distinguishing the various sign systems. 2 credit hours

102. AMERICAN SIGN LANGUAGE I
An introduction to the basic grammatical structure and vocabulary of American Sign Language, and to the visual and conceptual skills necessary for communication. 3 credit hours

Prerequisite: American Sign Language 101.

105. FINGERSPELLING
Instruction in fingerspelling with practice in expressive and receptive skills. 2 credit hours

201. AMERICAN SIGN LANGUAGE II
Further study of the grammatical structure of American Sign Language and the expansion of vocabulary for the production of language in various social situations. 3 credit hours

Prerequisite: American Sign Language 102 and 105 or permission of the instructor.

202. AMERICAN SIGN LANGUAGE III
Development of conversational fluency. Laboratory classes are used to expand expressive and receptive skills. 3 credit hours

301. INTRODUCTION TO INTERPRETING

A survey of the major areas of the interpreting profession, the code of ethics, and interpreting techniques. Introduction to the interpretive process from spoken English to American Sign Language and sign to voice (interpreting from American Sign Language to English). 2 credit hours

Prerequisite: American Sign Language 202 or permission of the instructor.

302-303. APPLIED INTERPRETING I AND II

The first course emphasizes development of interpretive skills through the interpretation of passages from audio cassettes. The second course focuses on transliteration skills and speed of delivery. Audio and video tapes are used, along with other equipment, for the development of both expressive and receptive skills. Each course 2 credit hours

Prerequisite: Interpreting 301.

306. INTRODUCTION TO AUDIOLOGY

Attention to the anatomical features of the ear and the physiology of hearing. Special attention is given to various types of auditory pathology, etiologies, and habilitation. Audiometric testing procedures are reviewed, with students obtaining a practical experience in auditory evaluation. 3 credit hours

321. COMPARATIVE INTERPRETING

Specialized areas of interpreting covered include: legal, medical/mental health, deaf-blind, oral, and educational. Attention is given to the vocabulary peculiar to each area, through the use of guest lecturers, taped materials and visits to off-campus sites. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Interpreting 303.

337-338-339. INTERNSHIP

A practical experience in an approved facility under the supervision of an interpreter certified by the National Registry of Interpreters for the Deaf, or other appropriate professional. The entire term is devoted to the internship. 9 credit hours

Prerequisite: Interpreting 321.

346. SEMINAR.

Selected topics in deafness/interpreting. 3 credit hours

Offered as demand warrants.

351-352. INDEPENDENT STUDY

Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Department of Languages and Literature

Professors Blair (Chairman) and Fowler; Associate Professors Beck, Bushing, and Pollard; Assistant Professor Martin; Mr. Thomas and Mrs. Prough

The Department of Languages and Literature combines several related disciplines and offers a variety of programs. In English, prospective majors may choose to follow one of three tracks: one emphasizing the study of literature; another emphasizing writing; a third combining work in English and speech-theatre. A minor in theatre is available as well. The department also provides instruction in six languages other than English, including two classical and four modern languages. In Spanish, a minor is offered which includes study of the literature, customs, and cultures of the Spanish-speaking world.

English

The major in English opens doors to varied careers. The skills in writing, research, and human understanding, which the major develops, prepare the student not only for teaching and the many branches of editing and publishing, but for other professions, particularly law. These same skills are in demand in business and industry where leadership positions go to those who can think logically and express themselves clearly. To serve student needs and interests in a discipline that integrates three important areas, the department offers a choice among three tracks.

Track I

The traditional major in English requires a minimum of 30 hours above the 100-level, including 214, 311, and 351-352. Required related courses are History 211-212, which should be taken before the period courses (English 331 through 337). Those planning to go to graduate school should fulfill the foreign language requirement with French or German. Those planning to teach in high school are advised to take Oral Interpretation (Speech 203) and American Literature (English 221-222).

Track II

Students whose primary interest is in writing may design, in consultation with their advisor, a major program in which the emphasis is on advanced composition, linguistics, and contemporary literature. Thirty hours in English courses are required, including 218, 219, 311, and either 222 or 337. Related courses, depending upon the field of interest, may be chosen from such fields as art, computer science, the natural or social sciences, business, and management. The program also requires an off-campus internship in an area such as journalism, publishing, or technical writing.

Track III

Those whose primary interest is in theatre may pursue an English major with that emphasis. The program consists of at least 30 hours in English and speech-theatre, including English 214, 311, 332, 346, 351-352, and Speech-Theatre 211 and 312. Required related courses are History 211-212.

The English Minor

A minor in English requires the completion of 15 hours of English at the 200-level or above, including English 311. The other choices may be based on the student's particular interests but should include at least one period course and one genre course.

101. ENGLISH AS A SECOND LANGUAGE I

A course for students who have studied English but need additional work to reach college-level proficiency. Attention is given to spoken as well as written English. Not required of those who can demonstrate sufficient command of the language. 3 credit hours

102. ENGLISH AS A SECOND LANGUAGE II

A continuation of English 101 for students who are not ready for English 104. 3 credit hours
Offered as demand warrants.

104. FUNDAMENTALS OF ENGLISH USAGE

A basic course in expository writing that combines systematic study of grammar and mechanics with exercises in sentence combining, practice in paragraph writing, and weekly themes. Students may expect to acquire writing skills that will be useful in all college courses. Those who demonstrate mastery of these skills, through standardized tests and writing samples, may begin with English 130. 3 credit hours

208. CHILDREN'S LITERATURE

An historical and critical overview of children's literature from the 15th century to the present, with emphasis on milestone books, authors, and illustrators. Attention is given to literary styles, the relationship of art and text, and criteria for judging contemporary literature. Not to be counted toward a major in English. 3 credit hours
Offered 1982-83 and alternate years

214. INTRODUCTION TO LITERARY STUDIES

An introduction to the methods and materials useful to the serious student of literature. The readings, selected from English and American masterpieces, represent major periods and genres. Emphasis is on intensive analysis based on careful reading and attention to the pertinent scholarship and various critical approaches. Students are encouraged to develop their own scholarly styles through the writing of critical papers. 4 credit hours

218. TECHNICAL WRITING

A thorough analysis of individual writing problems followed by an in-depth study of technical writing. Topics for consideration, depending upon class interest, include business communication, reports, scientific writing, proposals, brochure designing, graphic representation, instructions, newsletters, legal writing, advertising, and TV and radio commercials. Students in Tracks I and III may not count both 218 and 219 toward major requirements. 3 credit hours
Offered 1983-84 and alternate years

Prerequisite: English 130.

219. ADVANCED COMPOSITION

An analysis of individual writing problems and development of style, followed by experience in five types of writing. Students develop portfolios of the five types, including one on which they concentrate. Topics include the magazine article, short story, science fiction, poetry, drama, biography, criticism, film

script, children's stories, and journalism. Students in Tracks I and III may not count both 218 and 219 toward major requirements. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: English 130.

221. AMERICAN LITERATURE TO 1865

A chronological approach to the development of American literature from its beginnings to the end of the Civil War. After a brief survey of the Colonial Period, the emphasis is on Poe, Emerson, Thoreau, Hawthorne, Melville, and Whitman. 3 credit hours

Prerequisites: English 130 and Humanities 160 or 180.

222. AMERICAN LITERATURE SINCE 1865

A survey of American literature from the post-war period to the present, from Mark Twain to the contemporary poets, with attention to such writers as Dickinson, James, Eliot, Fitzgerald, Faulkner, Hemingway, O'Neill, and Flannery O'Conner. 3 credit hours

Prerequisites: English 130 and Humanities 160 or 180.

311. HISTORY OF THE ENGLISH LANGUAGE

The history and growth of the English language based on close textual analysis of Old, Middle, and Early Modern English, with some attention to modern grammar and linguistic theory. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Junior standing.

331. ENGLISH LITERATURE OF THE MIDDLE ENGLISH PERIOD

The major works of Chaucer read in Middle English, with lectures on the historical and literary backgrounds. The fourth-hour reading includes other important works of the Medieval Period, such as *Piers Plowman, Pearl, The Wakefield Cycle,* and medieval lyrics. 3 or 4 credit hours

Prerequisite: English 214 or permission of the instructor. Offered 1983-84 and alternate years

332. ENGLISH LITERATURE OF THE ELIZABETHAN PERIOD

A study of from 12 to 14 plays by Shakespeare, with equal emphasis on the comedies, tragedies, and histories, and attention to the historical and literary backgrounds of the period. The fourth-hour reading includes the works of Shakespeare's chief contemporaries. 3 or 4 credit hours

Prerequisite: English 214 or permission of the instructor. Offered 1983-84 and alternate years

333. ENGLISH LITERATURE OF THE 17TH CENTURY

A study of the poetry and prose of the 17th century to Dryden. Emphasis in poetry is on the schools of Donne and Jonson, culminating in a study of the major works of Milton. Prose writers include Bacon, Hobbes, the Character Writers, Browne, and Taylor. 3 credit hours

Prerequisite: English 214 or permission of the instructor. Offered 1983-84 and alternate years.

334. ENGLISH LITERATURE OF THE RESTORATION AND 18TH CENTURY

A survey of literature from 1660 to 1790, with emphasis on the writing and influence of Dryden, Swift, Pope, Johnson, and Boswell. The course also deals with the emergence of new forms such as the periodical essay and with

other literary trends of the period. 3 credit hours
Offered 1982-83 and
Prerequisite: English 214 or permission of the instructor. alternate years

335. ENGLISH LITERATURE OF THE 19TH CENTURY

A study of Romantic and Victorian Literature as a reflection of the aesthetic, philosophical, social, and scientific developments of the 19th century. Writers to be studied include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Carlyle, Arnold, Ruskin, and the Pre-Raphaelites. 3 credit hours
Prerequisite: English 214 or permission of the instructor. Offered 1982-83 and alternate years

336. TWENTIETH CENTURY BRITISH LITERATURE.

A survey of the works of such major English and Irish authors as Lawrence, Joyce, Woolf, Yeats, Eliot, and Auden, as well as some important literary groups or movements. Attention is also paid to the works of promising contemporary writers. 3 credit hours
Offered 1983-84 and
alternate years

337-8-9. INTERNSHIP

Practical experience designed to introduce the student to careers in professional writing. During the internship students devote one full term to work with the writing staff of a newspaper, magazine, publishing house, or similar enterprise. 9 credit hours

346. THE HISTORY OF ENGLISH DRAMA

A survey of English drama from its beginnings to the end of the 19th century. Students read representative plays from each period, beginning with the miracle and morality plays and ending with Oscar Wilde. 3 credit hours
Offered 1982-83 and
alternate years

347. THE ENGLISH NOVEL

A study of the English novel from its beginnings in the 18th century to the modern period. While tracing minor streams in fiction such as the epistolary and the gothic, the course concentrates on the major novelists. 3 credit hours
Offered 1983-84 and
alternate years

348. LITERARY CRITICISM

A survey of the theory and practice of literary criticism. The course begins with an examination of critical writings from the classical Greeks to the moderns. Special attention is given to the various approaches to contemporary criticism with the students being encouraged to develop their own set of fundamental questions needed for practicing criticism. 3 credit hours
Offered when
demand warrants

351-352. INDEPENDENT STUDY

Individual study, with the guidance of a faculty supervisor, of a topic that will provide experience in intensive research and the preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year. Students who have a strong interest in writing and the prerequisite in advanced composition may present a proposal for a creative writing project. 6 credit hours
Prerequisite: The completion of at least four courses toward an English major.

Speech-Theatre

The minor in theatre requires the completion of 15 hours, including Theatre 312 and either English 332 or 346, with the remaining courses to be chosen from the courses in theatre listed below or Speech 203. The theatre minor is not open either to English majors in Track III or to those with individualized majors that include theatre.

201. BASIC PUBLIC SPEAKING

A course designed to develop skills in extemporaneous speaking and parliamentary procedure. The student is expected to master the basic skills of research, organization, rehearsal, and delivery as they pertain to oral communication within a group structure. 3 credit hours

Prerequisite: English 130.

202. ADVANCED PUBLIC SPEAKING AND DEBATE

The course concentrates on the enhancement of speaking ability and the development of personal style. The principles of debate are also considered, and practical experience is acquired, using the national topic for intercollegiate debate. 3 credit hours

Prerequisite: Speech 201 or permission of the instructor.

203. ORAL INTERPRETATION OF LITERATURE

Practice in selecting and adapting written material for oral presentation. Students prepare readings which they present for evaluation, as well as scripts for Readers' Theatre and Chamber Theatre presentation. 3 credit hours

Offered 1983-84 and

Prerequisite: Sophomore standing. alternate years

211. STAGECRAFT

An introduction to six elements of stagecraft: (a) set design and construction, (b) lighting design and construction, (c) costume design and construction, (d) make-up, (e) theatre management, (f) stage management. Students choose two of the elements for special concentration during the term. 3 credit hours

212. ACTING

A study of acting methods and terminology. Students complete assigned readings, perform dramatic scenes for evaluation, and participate in an end-of-term public performance. 3 credit hours

311. DIRECTING

A study of the methodology and terminology of stage directing, with practical experience in planning and executing a stage production. 3 credit hours

Prerequisite: Theatre 211 or 212.

312. HISTORY OF THE THEATRE

A study of the major periods in drama from the Hellenic age to the present. The course includes text assignments, readings from plays representative of each period, and preparation of a substantial term paper. 3 credit hours

Offered 1982-83 and

Prerequisite: Humanities 280. alternate years

321. SELECTED TOPICS IN THEATRE

An advanced course designed as a second level of study in acting, directing, or stagecraft. 3 credit hours

Offered 1982-83 and

Prerequisite: The basic course in the area. alternate years

Foreign Languages

The study of foreign languages offers an introduction to new cultural patterns along with the acquisition of specific language skills that are increasingly useful in a closely interrelated world. Business majors who know Spanish or Japanese, for example, will find broader opportunities in their field, and political science majors interested in international law would do well to study several languages. All students planning to attend graduate school should prepare themselves with at least one additional language.

The foreign language program at Maryville emphasizes oral-aural facility in the modern languages, supplementing class instruction with drill sessions conducted by native speakers. Classes in French, German, and Spanish through the intermediate level are offered in this fashion. The College's affiliation with the Self-Taught Language Instruction Program makes possible the offering of any modern language for which tapes and native speakers are available on campus. At the present, Japanese is being taught through this method. Classes in Greek and Latin stress reading and writing the languages, rather than speaking and hearing.

Instruction at the advanced level is available in Spanish, and a minor is offered in that field. The minor requires a minimum of 15 hours, or the equivalent, above 120. Students who want the experience of studying and living in a Spanish-speaking country may spend a term or year at an approved foreign university. Credits earned there in advanced Spanish courses, as well as in history, philosophy, art or other subjects, can be transferred for graduation credit at Maryville. Special opportunities of this kind are described in the catalog section on international study.

Spanish

110. ELEMENTARY SPANISH

An introduction to Spanish emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers and use of the language laboratory.

4 credit hours

120. ELEMENTARY SPANISH

A sequel to Spanish 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. 3 credit hours

201-202. INTERMEDIATE SPANISH

An introduction to Spanish literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide further opportunities to develop skills in conversation.

3 credit hours each term

Prerequisite: Spanish 120 or the equivalent.

301. SPANISH PENINSULAR LITERATURE

A study of the major authors and literary currents of Spain since the Middle Ages, but with emphasis on the 20th century. Attention will be given to such authors as Baroja, Jiménez, Lorca, Cela, Buero Vallejo, and Matute.

3 credit hours

Prerequisite: Spanish 202 or the equivalent. Offered as demand warrants.

302. SPANISH AMERICAN LITERATURE

An examination of major authors and literary currents of Spanish America since colonial times, with emphasis on such 20th century authors as Quiroga, Barrios, Gallegos, Mistral, Borges, Neruda, and García Márquez.

3 credit hours
Offered as demand warrants.

Prerequisite: Spanish 202 or the equivalent.

311. SPANISH FOR FUTURE CAREERS

A course designed for students who expect to use Spanish in their careers. It includes the study of customs and social patterns, as well as the writing of letters and the building of specialized vocabularies. The needs and interests of individual students largely determine the areas of emphasis. 3 credit hours
Offered 1983-84 and alternate years

Prerequisite: Spanish 202 or the equivalent.

321. SELECTED TOPICS IN SPANISH

Concentrated study on a selected topic in Spanish literature, language, culture, or civilization. The topics, which vary from year to year according to the interests of the students, will include, among others, the Spanish short story, the history of Spain, the picaresque novel, and Spain in America.

3 credit hours
Offered 1982-83 and alternate years

Prerequisite: Spanish 202 or the equivalent.

French

110. ELEMENTARY FRENCH

An introduction to French emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers and use of the language laboratory.

4 credit hours

120. ELEMENTARY FRENCH

A sequel to French 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. 3 credit hours

201-202. INTERMEDIATE FRENCH

An introduction to French literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide additional opportunities to develop skills in conversation. 3 credit hours each term

Prerequisite: French 120 or the equivalent.

German

110. ELEMENTARY GERMAN

An introduction to German emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Class meetings are supplemented by drill sessions with native speakers and use of the language laboratory.

4 credit hours

120. ELEMENTARY GERMAN

A sequel to German 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. 3 credit hours

201-202. INTERMEDIATE GERMAN

An introduction to German literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. Meetings in small groups under the direction of native speakers provide additional opportunities to develop skills in conversation. 3 credit hours each term

Prerequisite: German 120 or the equivalent. Offered as demand warrants.

Greek

110-120. ELEMENTARY HELLENISTIC AND KOINE GREEK

Designed to prepare students to read the literature of the early church and its environment. 110: 4 credit hours
120: 3 credit hours
Offered 1983-84 and alternate years

201. INTERMEDIATE HELLENISTIC GREEK

Rapid reading of the literature of the early church, pagan, and Jewish authors. 3 credit hours

Prerequisite: Greek 120 or the equivalent. Offered as demand warrants.

Japanese

110-120. ELEMENTARY JAPANESE

Introduction to basic conversation patterns of contemporary Japanese, emphasizing vocabulary and grammar. Students use a taped language program with a text in phonetic script. Practice in conversation is provided through sessions with native speakers. The second course introduces hiragana and katakana syllabaries. 110: 4 credit hours
120: 3 credit hours

Prerequisite: Permission of the instructor. Offered as demand warrants.

201-202. INTERMEDIATE JAPANESE

A continuation of Japanese 110-120, with the introduction of 100 kanji (Chinese characters) in 201 and an additional 100 kanji in 202. 3 credit hours each term

Prerequisite: Permission of the instructor. Offered at demand warrants

Latin

110-120. ELEMENTARY LATIN

Fundaments of the language with some references to the literature, mythology, and history of Rome. 110: 4 credit hours
120: 3 credit hours
Offered 1982-83 and alternate years.

Department of Mathematics, Physics, and Computer Science

Professor Dent (Chairman); Associate Professor Nichols; Assistant Professor Yager; Mrs. Handler and Mr. Shamblin

The Department of Mathematics, Physics, and Computer Science offers programs of study in four related fields. A major in mathematics, including work in both pure and applied areas, is offered. Minors are available in mathematics, physics and computer science. In addition the department coordinates the College's dual degree program in engineering.

Mathematics

The major in mathematics consists of 53 hours in principal and related fields. Required courses in mathematics are 125, 225, 232, 235, 236, 302, 312, 315, 321, 326, and 351-352. Related courses are Physics 201 and 202, and Computer Science 219 and 303. Any student who expects to attend graduate school is advised to acquire intermediate-level proficiency in French or German.

The minor in mathematics requires 125, 225, 232, and two other courses numbered above 225.

105. FUNDAMENTALS OF ALGEBRA

Review of basic algebraic skills. Signed numbers, fractions, factoring, exponents, linear and quadratic equations, inequalities, absolute value, and scientific notation. Required of all students who lack an entrance credit in algebra or who perform below minimum standards on the mathematics placement examination. The course is listed on the student's official record, but the three credit hours earned by satisfactory completion do not count toward the minimum needed for graduation.

115. PRECALCULUS MATHEMATICS

Fundamentals of college algebra and trigonometry. Functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and complex numbers. 4 credit hours

Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.

116. TRIGONOMETRY

Study of the principles of analytic, trigonometry and the trigonometric functions. An alternative to Mathematics 115; both courses may not be taken for credit. 2 credit hours

Prerequisite: Satisfactory performance on the mathematics placement test or Mathematics 105.

125. CALCULUS I

Limits, the derivative and its applications, and an introduction to the integral. 4 credit hours

Prerequisite: Mathematics 115 or 116, or the equivalent.

207. MATHEMATICS FOR ELEMENTARY TEACHERS
A study of the structure of the real number system, algebra, and geometry. Material designed to meet the needs of students preparing to be elementary teachers. 3 credit hours
Offered 1983-84 and
Prerequisite: Mathematics 120. alternate years

221. INFERENTIAL STATISTICS
An introduction to statistical decision-making. Topics include sampling theory, estimation of parameters, hypothesis testing, and both parametric and non-parametric tests. 3 credit hours

Prerequisite: Mathematics 120.

225. CALCULUS II
The definite integral and applications, analytic geometry, exponential and logarithmic functions, trigonometric functions, hyperbolic functions, and techniques of integration. 4 credit hours

Prerequisite: Mathematics 125.

232. LINEAR ALGEBRA
Linear equations, vector spaces, linear transformations, determinants, matrices, and applications. 3 credit hours

Prerequisite: Mathematics 225.

235. CALCULUS III
Solid analytic geometry, vectors, infinite series, partial differentiation, and multiple integration. 4 credit hours

Prerequisite: Mathematics 225.

236. ORDINARY DIFFERENTIAL EQUATIONS
Equations of order one, linear differential equations, undetermined coefficients, variation of parameters, differential operators, applications.
Prerequisite: Mathematics 235. 3 credit hours

302. MODERN ALGEBRA
Introduction to abstract algebra. Groups, rings, integral domains, fields.
Prerequisite: Mathematics 232. credit hours

312. ADVANCED LINEAR ALGEBRA
A theoretical study of linear equations, linear spaces, linear mappings, matrices, determinants, and equivalence relations on matrices. Emphasis is placed on a canonical form for similarity of matrices. 3 credit hours
Offered 1983-84 and
Prerequisite: Mathematics 302. alternate years

315. ADVANCED CALCULUS
Theory of limits, continuity, differentiation, integration, sequences, and series. 3 credit hours
Offered 1982-83 and
Prerequisite: Mathematics 235 and 302. alternate years

321. PROBABILITY AND STATISTICS

Probability, empirical distributions, discrete and continuous distributions, sampling distribution theory, confidence intervals, estimation theory and hypothesis testing. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Mathematics 225.

326. SEMINAR IN APPLIED MATHEMATICS

Topics vary from year to year. Possible topics include mathematical modeling and advanced differential equations. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Permission of the instructor.

351-352. INDEPENDENT STUDY

Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Usually started in the spring term of the junior year or the fall term of the senior year. 6 credit hours

Physics

The minor in physics consists of a minimum of 35 hours. Required courses are Physics 201, 202, 203, and 301, Mathematics 125, 225, 235, and 236, and either Physics 361 or a suitable section of Chemistry 451.

101. PHYSICS FOR THE LIFE SCIENCES I

An introduction to physics for students in the life sciences. Topics covered will include mechanics, fluids, heat, wave motion and acoustics, with stress on application to the life sciences. 4 credit hours

Offered 1983-84 and alternate years

Prerequisite: Mathematics 115 or the equivalent.

102. PHYSICS FOR THE LIFE SCIENCES II

A continuation of Physics 101. Topics covered include electricity and magnetism, AC and DC circuits, use of electrical instrumentation, optics and modern physics. 4 credit hours

Offered 1983-84 and alternate years

Prerequisite: Physics 101.

201. MECHANICS

A calculus-based introduction to physics for physical scientists and engineers. Among topics covered are the mechanics of particles, rigid bodies and fluids. 4 credit hours

Prerequisite: Mathematics 225.

202. ELECTRICITY AND MAGNETISM

An introduction to electricity and magnetism including electrostatics, magnetism and DC and AC circuits. 4 credit hours

Prerequisite: Physics 201.

203. WAVE, OPTICS AND MODERN PHYSICS

Topics considered include wave motion, vibrations, electromagnetic waves, geometric and physical optics and elementary modern physics. 4 credit hours

Offered 1982-83 and alternate years

Prerequisite: Physics 202.

301. INTERMEDIATE MECHANICS

Newtonian dynamics of particles including viscous forces, linear and nonlinear oscillations; Lagrange's equations, planetary motion and collisions.

4 credit hours
Offered 1983-84 and alternate years

Prerequisite: Physics 201, Mathematics 236.

361. CONTEMPORARY PHYSICS

This course is designed to acquaint the student with contemporary ideas and current research areas in physics. Topics include relativity, the wave-particle duality, quantum phenomena, atomic structure, nuclear structure and reactions, elementary particles, and solid-state physics. 4 credit hours
Offered 1984-85 and alternate years

Prerequisite: Physics 203 and Mathematics 236.

Computer Science

The minor in computer science consists of 15 credit hours. Computer Science 121, 301, and 303 are required, and two courses are chosen from 217, 218, and 219.

121. INTRODUCTORY TO DATA PROCESSING

An introduction to the basic concepts and principles of computers in managing information. The course surveys the history and evolution of computers and information processing, the technology of computer systems, programming structure and languages, and system analysis and design. The BASIC language is used to provide direct experience with a computer. 3 credit hours
Offered 1983-84 and alternate years

217. COBOL PROGRAMMING

The essential ideas and requirements for writing standard programs in the business-oriented language COBOL. 3 credit hours
Offered 1983-84 and alternate years

Prerequisite: Computer Science 121.

218. BASIC PROGRAMMING

A course designed to introduce the general student to the operation of a digital computer and programming techniques in the BASIC language. Problems considered are interdisciplinary, with emphasis on the social and natural sciences. 3 credit hours

Prerequisite: Computer Science 121.

219. FORTRAN PROGRAMMING

Programming techniques in the FORTRAN IV language using a time-sharing digital computer. The course introduces general computer data-processing organization and concepts, FORTRAN character set, coding forms, format, and science-related applications. 3 credit hours

Prerequisite: Proficiency in algebra and trigonometry; Computer Science 121 recommended.

301. ASSEMBLY LANGUAGE PROGRAMMING
Programming in machine language, directed specifically toward the PDP 11 computer series. Elementary computer architecture is also included.
3 credit hours
Offered 1984-85 and
Prerequisite: Any 200-level course in computer science. alternate years

303. SPECIAL TOPICS IN COMPUTER SCIENCE
A course designed to meet the special interests, abilities and needs of advanced students. Content varies from year to year, and may include such topics as microprocessing and numerical algorithms. 3 credit hours

Prerequisite: A 200-level course in computer science and permission of the instructor.

Engineering

The dual degree program in engineering is described generally in the catalog section on pre-professional programs. The program is highly structured, and most of the courses are part of a sequence. For that reason, one's course of study must be carefully planned to insure that all core and major requirements are met during the three years spent at Maryville. Required courses are Mathematics 125, 225, 235, 236, Physics 201, 202, 203, Chemistry 221 and 222, Computer Science 219, and Independent Study 351-352 (total of three hours).

Committee on Medieval Studies

Associate Professor Pollard, Coordinator

Under the auspices of the Committee, a multi-disciplinary minor in medieval studies is offered. The program emphasizes major currents of thought in the West from the collapse of the Roman Empire to approximately 1500. A minimum of 15 hours is required, with courses chosen from Art 312, English 311 and 331, History 211 and 313, Music 301, Philosophy 301, and an appropriate section of Religion 346. The courses are described under the separate departmental listings.

ART 312: Ancient and Medieval Art

ENGLISH 311: History of the English Language

ENGLISH 331: Literature of the Middle English Period

HISTORY 211: History of England to 1600

HISTORY 313: Europe in the Middle Ages

MUSIC 301: Music History and Styles: Antiquity through the 16th Century

PHILOSOPHY 301: Ancient and Medieval Philosophy

RELIGION 346: Advanced Study in the History of Christian Thought

Department of Psychology

Professor Waters (Chairman); Associate Professor Pollio; Assistant Professor Pickens

A major in psychology consists of 51 credit hours, with 33 hours in major courses and 18 hours in related areas. Required are 101 (with laboratory), 312, 313, 351-352, and 15 additional hours. The 18 hours in related courses must include Biology 115 and 215, Chemistry 205, Mathematics 221, and one course chosen from Political Science 121, Sociology 101, or Sociology 211. Students interested in graduate study in psychology are encouraged to take French, German, or Spanish to fulfill the core requirement in foreign language.

Students who choose for elective credit the practicum series, Psychology 343, a, b, c, must complete the prerequisites, Psychology 101, 211, 313, and 334 during the sophomore and junior years. They may begin the practicum series the spring term of the junior year or the fall term of the senior year. Each practicum may involve five, 10 or 15 hours experience per week with commensurate academic credit of one, two, or three hours; however, total credit for all practicum experience cannot exceed six hours.

A minor in psychology consists of 101, 313, and three other psychology courses which count toward the major, and Mathematics 221.

101. INTRODUCTORY PSYCHOLOGY

Fundamental principles of human behavior. Attention to the aims and methods of psychology, maturation and development, motivation, emotion, learning, perception, personality, and behavior disorders. Students opting for the laboratory experience (required for the major in psychology) will attend to experimental procedure, design, analysis, and the communication of findings in order to conduct research projects and report findings.

4 credit hours with laboratory
3 credit hours without laboratory

211. CHILD DEVELOPMENT

Growth and development of the child from birth to maturity. Physical, intellectual, social, and emotional aspects of growth are considered as they relate to various stages of maturity. 3 credit hours

Prerequisite: Psychology 101.

221. SOCIAL PSYCHOLOGY

The study of the interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied. 3 credit hours

Prerequisite: Psychology 101.

301. THEORIES OF PERSONALITY

An examination of the major theoretical approaches to personality. The course seeks to provide an understanding of the role of personality theory and research in the field of psychology. 3 credit hours

Prerequisite: Psychology 101.

307. PSYCHOSOCIAL ASPECTS OF DEAFNESS

A study of the psychological effects of deafness including the emotional development of the hearing-impaired child. The acquisition and use of lan-

guage is emphasized in the course. Not to be counted toward a major in psychology. 3 credit hours
Prerequisite: Interpreting 306.

312. EXPERIMENTAL PSYCHOLOGY
Methodological approach with a procedural orientation to psychological investigation. Although the course concentrates on methodology, attention is directed to such content areas as structure and function of the nervous system, sensation, perception, and emotion. Laboratory practice. 4 credit hours
Prerequisites: Psychology 101, Mathematics 221.

313. PSYCHOLOGY OF LEARNING
The basic principles and theories of learning. Special emphasis is given to empirical laws and controlled studies which illustrate these laws. Laboratory practice. 4 credit hours
Prerequisites: Psychology 101, Mathematics 221.

331. ABNORMAL PSYCHOLOGY
A psychological approach to behavior deviation. Attention is given to the causes, symptoms, treatment, and prevention of psychoses, neuroses, and mental deficiency. 3 credit hours
Prerequisite: Psychology 101.

333. COUNSELING
Study of counseling techniques in such settings as school, industry, and the clinic. Special emphasis on psychological testing procedures and interviewing. 3 credit hours
Prerequisite: Psychology 101.

334. EXCEPTIONAL CHILDREN
A course designed to examine different categories of exceptionality, including children with special abilities as well as disabilities. Offers opportunities to develop skills in diagnosis, curriculum development, methods, and materials needed with exceptional children. Practical experience with exceptional children is included. 3 credit hours
Prerequisite: Psychology 101, 211, or Education 211.

342. SEMINAR: SELECTED TOPICS IN PSYCHOLOGY
Course content varies from year to year. Previous topics include: Psycholinguistics and Deafness, Aging and Dying, and Existential-Phenomenological Alternatives. 3 credit hours
Prerequisite: Junior or senior standing.

343a,b,c. PRACTICUM IN PSYCHOLOGICAL SERVICES
Supervised practical experience during the senior year (or beginning late in the junior year) with the Learning Center on campus or with some other agency offering psychological services in the local area. Not to be counted toward a major in psychology. 1,2,3 credit hours; not to exceed 6
Prerequisites: Psychology 101, 211, 331, 334;
Education 211 or permission of the instructor.

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor, generally involving the laboratory or field research problem and a scientific paper reporting the results. 6 credit hours

Department of Religion and Philosophy

Associate Professors Cartlidge (Chairman) and Hardwig; Visiting Professor Yu

The Department of Religion and Philosophy focuses on concerns and questions that have long been regarded as fundamental to human existence. Religion and philosophy are separate disciplines, but they contribute insights and methods to each other, and they both benefit from and inform the perspectives and knowledge of other fields of study. Religious expression takes many forms, and religious study includes consideration of literature and other arts, social institutions, and historical settings, as well as cross-cultural comparisons. Philosophy is preeminently concerned with the quest for understanding, based on inquiry and reflection; at Maryville the course offerings emphasize the history of thought and the sub-field of ethics. In religion both a major and a minor are offered. In philosophy a minor is available.

Religion

The major in religion consists of 42 hours in religion and related areas. Required courses in religion are 201 or 221, 322, 325, 326, and 328; three courses chosen from 342, 344, 346, and 348, and 351-352. Courses required in related areas are Sociology 101 or 211, Philosophy 326 and 330, and one course chosen from History 209, 313, and 314.

The minor in religion consists of 18 hours, including either 201 or 221, 325, 326, either 322 or 328, one course in the 340 series, and either Sociology 101 or 211.

201. THE BIRTH OF THE CHRISTIAN TRADITION

An introduction to the literature, theology, sociology, and history of the church in the Greco-Roman empire to *ca* A.D. 250. 3 credit hours

221. ISRAEL IN THE ANCIENT NEAR EAST

An introduction to the literature, community, and theology of the Hebraic tradition in the milieu of the Ancient Near East to *ca* 64 B.C.

3 credit hours
Offered 1983-84

322. THE PHENOMENOLOGY OF RELIGION

A study of religion with an examination of the theories of such scholars as Eliade, Kristensen, Van der Leeuw, Maritain, Ricouer. 3 credit hours
Offered 1983-84 and

Prerequisite: Religion 201 or 221. alternate years

325. SOCIOLOGY OF RELIGION

A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons.

3 credit hours
Prerequisite: Sociology 101 or 211. Offered 1982-83 and
alternate years

326. CONTEMPORARY THEOLOGY

An examination of current theological themes, problems, and the commenta-

tors upon these issues; close attention is given to the historical, social, and political origins of contemporary theological thinking. 3 credit hours
Offered 1983-84 and alternate years

Prerequisite: Religion 201 or 221.

328. RELIGIOUS SYMBOL AND ART-SYMBOL

Religious traditions and human aesthetic experience; myth and ritual in art and religion. 3 credit hours
Offered 1983-84 and alternate years

Prerequisite: Religion 201 or 221.

342. ADVANCED STUDY IN HEBRAIC, JUDAIC, AND EARLY CHURCH TRADITIONS

Selected topics from the literatures of Israel, Judaism, and the early church. 3 credit hours
Offered as demand warrants

Prerequisite: Humanities 160 or 260, or Religion 201 or 221.

344. ADVANCED STUDY IN RELIGION AND SOCIETY

Selected topics such as the relationship between humans as citizens and as part of religious traditions, political and social ethics, religion and cultural experience, and sociology and psychology of religion. 3 credit hours
Offered as demand warrants

Prerequisite: Religion 201 or 221.

346. ADVANCED STUDY IN THE HISTORY OF CHRISTIAN THOUGHT

Emphasis upon a theological theme in the church's literature, on an historical period of church theology, or on specific theologians. 3 credit hours
Offered as demand warrants

Prerequisite: Junior standing or permission of instructor.

348. ADVANCED STUDY IN THE HISTORY OF RELIGIONS

Emphasis upon Greco-Roman, Ancient Near Eastern, Asian or African religious traditions. 3 credit hours
Offered as demand warrants.

Prerequisites: Religion 201 or 221, and 212.

351-352. INDEPENDENT STUDY

Commonly a research project resulting in a thesis or substantial essay, but other types of work, such as the writing and performance of religious music or the writing and production of religious drama, are also acceptable. 6 credit hours

Philosophy

The minor in philosophy consists of 15 credit hours. Philosophy 301 and 303 are required, along with three other courses.

204. INTRODUCTION TO PHILOSOPHICAL INQUIRY

An introduction to philosophical investigation and reflection, emphasizing the search for ways to understand oneself and the world. Students are encouraged to formulate their own critical perspectives, as they consider such major philosophical problems as the existence of God, the freedom of the will, the bases of knowledge and belief, and the nature of social and political responsibility. 3 credit hours

206. PHILOSOPHICAL ETHICS

Examination of some major ethical theories in light of the contemporary challenges of relativism and subjectivism. The course seeks to help students to discover what it is to be good, to understand the foundations of ethical values, and to develop skill at applying critical and reflective thinking to one's values, decisions and actions. 3 credit hours

Offered 1983-84

208. SPECIAL TOPICS IN PHILOSOPHY

Philosophic examination of a topic or thinker of special interest to students and faculty. Students are invited to propose topics for the course. Course may be repeated for credit when topics vary. 3 credit hours

Offered as

Prerequisite: Humanities 160 or 180. demand warrants

301. ANCIENT AND MEDIEVAL PHILOSOPHY

Examines the birth of self-critical reflection, especially in Socrates, Plato and Aristotle, with emphasis on the historical and contemporary significance of the integration of self-knowledge with the political order and an understanding of the cosmos in Greek, Roman and Medieval thought. 3 credit hours

Offered 1982-83 and

Prerequisite: Philosophy 204 or 206, or junior standing and permission of instructor. alternate years

303. MODERN PHILOSOPHY: THE 16TH TO THE 19TH CENTURY

Discussion of the rise of individualism, subjectivism, and the modern scientific world view, with their revolutionary implications for contemporary interpretations of self, world and responsible ethical, political and cultural commitment.

3 credit hours

Offered 1983-84 and

Prerequisite: Philosophy 204 or 206, or junior standing and permission of instructor. alternate years

304. CONTEMPORARY PHILOSOPHY

Exploration of some of the major philosophical movements in the 20th century, such as existentialism, pragmatism, phenomenology, logical positivism, linguistic analysis, and process philosophy. 3 credit hours

Offered 1983-84 and

Prerequisite: Philosophy 204 or 206, or junior standing and permission of instructor. alternate years

326. PHILOSOPHY OF RELIGION

Religious symbols and systems studied from a philosophical perspective. Among questions considered are the nature of religious language, approaches to religious truth, various conceptions of divinity, and whether humans are naturally religious. 3 credit hours

Offered 1983-84 and

Prerequisite: Philosophy 204 or 206, or a 200-level religion course. alternate years

329. MODERN CRITIQUES OF RELIGION

An exploration of the thought of atheistic and agnostic thinkers and of some of the critiques, both sympathetic and hostile, of religious beliefs, attitudes and practices. 3 credit hours

Offered as

Prerequisite: a 200-level religion course. demand warrants.

Division of Social Sciences

Professors Anderson and Kim; Associate Professors Boldon (Chairman) and Howard; Assistant Professor Brunger; Mr. Goss, Mr. Hughes, Dr. Crawford

The Division of Social Sciences brings together the disciplines of business, economics, geography, management, political science and sociology. These fields have different emphases and primary concerns, but they have in common a fundamental interest in human behavior and social structure. This shared interest makes it desirable for students in one field to be familiar with the perspectives of the others. The curriculum in the Division is arranged to facilitate such cross-disciplinary study, and every program involves work in two or more related disciplines. The Division also provides a framework in which theoretical studies can be effectively combined with career-oriented courses and practical experiences. Majors are offered in business, economics, management and political science. Minors are offered in accounting, business, economics, management, political science, and sociology.

Divisional Courses

301. SOCIAL SCIENCES RESEARCH METHODS

The philosophy and methodology of the social sciences. Emphasis on the philosophical underpinnings, basic research design, forms of data gathering and the analysis, presentation and interpretation of data. Individual student research projects related to various social science disciplines. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite or corequisite: Mathematics 221.
Prerequisite: One course in economics, political science, psychology or sociology.

303. CULTURAL GEOGRAPHY

A study of the relationship between culture and the physical environment. Cultural attitudes toward nature, the transformation of natural into cultural landscapes, invention and the diffusion of culture, demography and settlement patterns, modernization and development, culture areas. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: At least sophomore standing.

Business

The major in business is designed to give the student a knowledge of the basic principles and analytical tools of business. To provide the broad perspective of the generalist, the student is introduced to a variety of business functions. This approach makes it possible for the student to consider a range of career fields, including retailing, banking, finance, marketing, and insurance.

The major in business consists of a minimum of 47 hours in the principal and related fields. Required courses are Business 215-216, 302, 351-352, and 401, Economics 201, Management 305, and 15 hours chosen from Economics 321, 322, 331, and Business 341, 342, and 344. Related courses are Sociology 101 and Mathematics 221, and either Computer Science 217 or 218.

The minor in business requires completion of at least 15 hours, including Business 302, Economics 201, and Management 212 and 302. (Business 215

and 216 may be substituted for Management 212.) The minor is completed with six hours chosen from Business 341, 342, and 344.

Accounting

The minor in accounting is designed to supplement a student's preparation in a major field. Though it will not prepare for direct entry into a career in accounting, it does provide additional depth in the field and the background necessary for further study. Qualification to sit for the C.P.A. examination (in Tennessee) requires four courses beyond the Maryville College program.

The minor in accounting requires Business 215, 216, 317, 318, and 344, for a total of 15 credit hours.

215. PRINCIPLES OF ACCOUNTING I
Introduction to the methods and principles of processing financial data including the accounting cycle, journals, ledgers, inventories, and depreciation. Emphasis is on the single proprietorship. 3 credit hours

216. PRINCIPLES OF ACCOUNTING II
Application of accounting methods and principles to corporations. Topics include capital stock, dividends, taxes, and cost accounting. 3 credit hours

Prerequisite: Business 215.

302. PRINCIPLES OF MANAGEMENT
Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling. 3 credit hours

317. INTERMEDIATE ACCOUNTING I
Intermediate accounting theory with applications for working capital and asset valuation. 3 credit hours
Offered 1983-84 and
Prerequisite: Business 216. alternate years

318. INTERMEDIATE ACCOUNTING II
Intermediate accounting theory with applications for stockholders' equity and long-term assets and liabilities. 3 credit hours
Offered 1983-84 and
Prerequisite: Business 317. alternate years

341. BUSINESS LAW
An introduction to the U.S. legal system, involving case studies. Torts, contracts, agency and employment relationships, and commercial paper are considered. 3 credit hours

342. MARKETING
An examination of individual and organizational activities aimed at facilitating market exchanges. Emphasis is on the mix of marketing variables: product, place, price, and promotion. 3 credit hours

343. PRACTICUM IN BUSINESS
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to business majors. 2-3 credit hours

Prerequisite: Senior standing and permission of instructor.

344. BUSINESS FINANCE
Principles of financial management including ratio analysis, forecasting, budgeting, sources of funds, valuation, cost of capital, and taxes. 3 credit hours

Prerequisite: Business 216.

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

401. BUSINESS POLICY
A course designed to foster integration of the student's knowledge of various business functions. Business problems are analyzed using the case study method. Open only to students majoring in business. 2 credit hours
Offered 1984-85 and
Prerequisite: Senior standing. alternate years

Economics

The major in economics is appropriate for the student interested in the functioning of the economic system and in economic policy. For most positions in the business world, students who major in economics are competitive with those who major in business. For situations with a strong theoretical emphasis, the major in economics provides an important advantage. The economics major also provides a basis for graduate study in management, business, finance, law, and a variety of other fields.

The major in economics consists of a minimum of 42 hours in economics and related fields. Required courses in economics are 201, 221, 321, 322, 331, 334, 325 or 345, and 351-352. Related courses are Business Administration 212 or 215-216, Sociology 101, Mathematics 221, Social Science 301, and Political Science 122 or 232.

The minor in economics consists of 15 hours, including 201, 321, 322, and six hours chosen from 221, 325, 331, 334, and 345.

201. PRINCIPLES OF ECONOMICS
A survey of economic principles and institutions. Topics include the philosophical foundations of market economies, supply and demand, competition and monopoly, the monetary system, and determination of national income and prices. Scarcity, inflation, and unemployment are addressed. 3 credit hours

221. ECONOMIC DEVELOPMENT
An inquiry into the problems of economic development and social change in less developed countries. The course focuses on issues of poverty, population, industrialization, agriculture, and trade. 3 credit hours
Offered 1983-84 and
alternate years

321. MACROECONOMICS
Macroeconomic theory and analysis including synthesis of classical and Keynesian models of income determination. Monetary theory, inflation, unemployment and expectations are studied, and current economic issues examined.
3 credit hours

Prerequisite: Economics 201.

322. MICROECONOMICS
Microeconomic theory and analysis, including consumer demand, production, the firm, and general equilibrium. Applications to problems of private choice and public policy are considered. 3 credit hours

Prerequisite: Economics 201.

325. INTERNATIONAL TRADE AND FINANCE
An examination of the theory of trade, barriers to trade, balance of payments, exchange rates, and the adjustment process. The role of international institutions is considered, including the International Monetary Fund and multinational enterprise. 3 credit hours
Offered 1982-83 and
Prerequisite: Economics 201. alternate years

331. PUBLIC POLICY TOWARD BUSINESS
An inquiry into the control of monopoly through antitrust law and promotion of the public interest through actions of regulatory commissions. Selected aspects of government ownership and operation of enterprises, and promotion and protection of business interests, are considered. 3 credit hours
Offered 1983-84 and
Prerequisite: Economics 201. alternate years

334. HISTORY OF ECONOMIC THOUGHT
An examination of the development of economic thought since ancient times. The course emphasizes the emergence of economics as a social science, from the late 18th century to the present. 3 credit hours
Offered 1983-84 and
Prerequisite: Economics 201. alternate years

345. SELECTED TOPICS IN ECONOMICS
Focuses on timely topics in national or international economics not covered in other departmental course offerings. Subject matter varies from year to year.
3 credit hours
Prerequisite: 9 hours in economics or Offered 1983-84 and
permission of the instructor. alternate years

351-352. INDEPENDENT STUDY
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Management

The major in management focuses principally on the field of human resources management and is designed to provide a background in decision-making, the behavior of complex organizations and the economic, political and social aspects of management. The major is designed to be applicable to a variety of management settings including business, public administration, voluntary organizations, health services and the arts. The independent study requirement and the possibility of a field experience in management provide the opportunity for study in a specialized field.

The major in management consists of a minimum of 44 hours in management and related fields. Required courses are Management 212, 221, 232, 302, 305, 333, 351-352, and 404, Economics 201, Social Science 301, Sociology 101, Psychology 101, Mathematics 221, and one course from Computer Science 218, 219, or 217.

The minor in management consists of a minimum of 18 hours. Required courses are Management 302, 305, and 333, Sociology 101, and Economics 201. One additional course must be chosen from Management 212, 221, 232, and Social Science 301.

212. SURVEY OF ACCOUNTING

An introduction to income statements, balance sheets, changes in financial position, cash flow budgets, ratio analysis and other financial tools. Emphasis on reading and understanding rather than actual preparation. 3 credit hours

Offered 1983-84 and alternate years

221. SOCIAL PSYCHOLOGY

The study of the interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied. 3 credit hours

Prerequisite: Psychology 101.

232. PUBLIC POLICY

Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy progress. Particular attention is given to the character of decision-making. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Sophomore standing or above.

302. PRINCIPLES OF MANAGEMENT

Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling. 3 credit hours

305. ORGANIZATIONAL BEHAVIOR

Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Sociology 101, Management 302.

333. PERSONNEL MANAGEMENT

Study of the personnel function including recruitment, selection, development, remuneration, evaluation, and labor relations. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Management 302.

343. PRACTICUM IN MANAGEMENT

Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to management majors. 2-3 credit hours

Offered 1984-85 and alternate years.

Prerequisite: Senior standing and permission of the instructor.

351-352. INDEPENDENT STUDY

Individual study under the guidance of a faculty supervisor involving command of the forms and usages of the formal paper. 6 credit hours

404. CASE STUDIES IN MANAGEMENT

The course encourages integration of knowledge through analysis of management problems in business, government, church, school, and other organizations. The case study method is used. Open only to management majors.

2 credit hours

Prerequisite: Senior standing and permission of the instructor.

Offered 1984-85 and alternate years

Political Science

Political science is concerned with the analysis of political processes and institutions, including comparative systems and international relations. The major in political science helps the student prepare for several fields of endeavor including law, public administration, diplomatic service, teaching, and journalism.

The major in political science requires 33 hours in the principal field and 15 hours in related courses. Required courses in political science are 121, 122, 211, 212, 232, 306, 311 or 312, 321 or 322, 342, and 351-352. Related courses for the major are Economics 201, Mathematics 221, Social Science 301, one course from Psychology 101, Sociology 101 and 211, and one course in either history or philosophy.

The minor in political science consists of 18 hours, including 121 and 122, 211 or 212, 321 or 322, and six additional hours.

121. INTRODUCTION TO POLITICAL SCIENCE

Introduction to the discipline of political science. Attention to the scope of the discipline, its methodologies, and the perennial issues addressed by the discipline.

3 credit hours

122. AMERICAN GOVERNMENT AND POLITICS

Introduction to the government and politics of the American national political system. Attention is given to the historical and philosophical setting, the formal governmental structures, and the behavioral bases of the American polity.

3 credit hours

211. COMPARATIVE GOVERNMENT AND POLITICS

Study of political systems of selected countries. Illustration of major polity types such as Western and non-Western, democratic and authoritarian, developed and less-developed. Examinations of political cultures, institutions, processes, and current political problems.

3 credit hours

Offered 1982-83 and alternate years

212. INTERNATIONAL POLITICS

Study of the scope and methods of international politics. Emphasis on the underlying principles governing international relations and the major techniques for the implementation of foreign policies.

3 credit hours

Offered 1983-84 and alternate years

232. PUBLIC POLICY

Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making.

3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Sophomore standing or above.

306. POLITICAL PHILOSOPHY

Typological consideration of perennial issues in political science such as liberty, justice, political obligation, and political authority. The methodology of philosophy as a way of studying and understanding politics is also examined.

3 credit hours

Prerequisite: Political Science 121 or 122 or permission of the instructor.

Offered 1982-83 and alternate years

311. GOVERNMENT AND POLITICS OF EAST ASIA

Comparative study of political background and governmental systems of China, Japan and Korea with emphasis on traditional and contemporary political behavior, ideas, and institutions.

3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Political Science 211, Asian Studies 320, or permission of the instructor.

312. COMPARATIVE FOREIGN POLICY

Comparative analysis of foreign policy processes and issues of selected nation-states. Attention to the influence of foreign policies on contemporary international politics.

3 credit hours

Offered 1984-85 and alternate years

Prerequisite: Political Science 212 or permission of the instructor.

321. AMERICAN POLITICAL PROCESS

American political and governmental institutions and processes: public opinion, interest groups, political parties, Congress and the presidency.

3 credit hours

Prerequisite: Political Science 122 or permission of the instructor.

Offered 1982-83 and alternate years

322. THE JUDICIAL PROCESS

Consideration of the role of the federal judiciary in the American political process. Approaches include case law and social science research. Topics covered include political power of the judiciary, judicial recruitment, scope of government power, and civil liberties.

3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Political Science 122 or permission of the instructor.

342. SELECTED TOPICS IN POLITICAL SCIENCE

Prerequisite: Six hours in political science or permission of the instructor.

3 credit hours

351-352. INDEPENDENT STUDY

Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. 6 credit hours

Sociology

Sociology deals with social relationships, the structure of society and the variety of human cultures. The minor in sociology provides a useful supplement to majors in a variety of academic fields.

The minor in sociology consists of a minimum of 15 credit hours, including Sociology 101 or 211, and nine credit hours chosen from Sociology 215, 305, 325 and 346, Psychology 221, and Social Science 301.

101. INTRODUCTORY SOCIOLOGY

Study of the fundamental structures and dynamics of human societies and the basic principles and concepts used in sociology. 3 credit hours

102. SOCIAL PROBLEMS

Analysis of several social problems in the United States and other societies. Emphasis on population, inequality, intergroup conflict, deviance. Other topics approached through individual student research. 3 credit hours

Offered 1983-84 and alternate years

211. CULTURAL ANTHROPOLOGY

The application of the concept of culture to various societies, from primitive to modern. Cross-cultural analysis of various institutions. Extensive use of ethnographies. 3 credit hours

215. SOCIOLOGY OF MARRIAGE AND FAMILY

A study of selected aspects of family structure and functions. Mate selection, family organization, sex roles, family breakdown, variant family forms, and demographic change. Analysis of the American family and comparative study drawing on other cultures. 3 credit hours

Offered 1983-84 and alternate years

305. ORGANIZATIONAL BEHAVIOR

Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations. 3 credit hours

Offered 1983-84 and alternate years

Prerequisite: Sociology 101, Management 302.

325. SOCIOLOGY OF RELIGION

A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: Sociology 101 or 211.

346. TOPICS IN SOCIOLOGY/ANTHROPOLOGY

Selected topics in sociology or anthropology. May be repeated for credit. 3 credit hours

Offered 1982-83 and alternate years

Prerequisite: At least one course in sociology.

The Bachelor of Music Degree

The Bachelor of Music is a professional degree, intended for students who plan to pursue a career in some aspect of music. It differs from the Bachelor of Arts degree in its general education core requirements and the extent of specialization. As a professional degree, it affords more extensive study in the major field. The College offers major programs in performance, church music, music education, and opera/musical theatre.

Requirements for the Degree of Bachelor of Music

The Bachelor of Music degree requires 128 credit hours. General education and major requirements specified for the degree must be met, and the English proficiency test and the comprehensive examination in the major field passed. One interim course must be taken for each year of enrollment at the College. At least 32 hours must be completed in residence, including 20 in the senior year and nine in the major field.

General Education Requirement

The general education requirement consists of 40 credit hours. Students must satisfy requirements in the following areas, either by passing the courses or demonstrating proficiency.

English 130

Inquiry 110

Foreign Language 110 and 120

Natural Science 150

Mathematics 120

Humanities Sequence*

Either 160 or 180
One course from 260, 270, or 280
One course from 360, 370, or 380

Social Science 220

African Studies 310 or Asian Studies 320

Humanities 390

Course descriptions are to be found in the Bachelor of Arts section of this catalog.

*One course must be completed in each series: '60, '70, and '80.

The Major Programs

Four major programs are offered. All of the programs include preparation in theory, solfege and dictation, and eurhythmics, and all require knowledge of music history and styles. Private applied lessons are a part of each major, as is sustained participation in a musical ensemble. Beyond these common elements, students take specialized courses appropriate to each major.

Before acceptance into any of the programs in music, students must demonstrate proficiency in basic keyboard and theoretical skills. Those who lack this preparation must complete whatever non-credit courses are needed to provide this essential background.

Church Music

For the major in church music, 79 credit hours are required. This includes 44 hours in music courses, 21 hours in applied music, eight hours in ensemble participation, and six hours in related fields. Courses in music are 101, 102, 111, 112, 121-123, 201, 202, 211, 212, 221, 222, 301-304, 305, 321, and 351-352. The 21 credit hours in applied music are earned in organ and voice, with 18 hours in one instrument and three hours in the other. At least four of the eight hours in ensemble participation must be earned in choir. Related courses for the major are either Religion 201 or 221, and Religion 328. A half-recital is required.

Music Education

The major in music education requires a total of 82 credit hours. Forty-four hours are earned in music courses: 101, 102, 111, 112, 121-123, 201, 202, 211, 212, 221, 222, 225-227, 302-304, 321, 325-327, and 351-352. Seventeen hours are necessary in applied music and ensemble participation, including at least nine hours in applied music and six hours in an ensemble. Courses required to prepare for teaching are Education 208, 211, 326, 328, and 331-332 (three hours in each course), and Psychology 101. If teaching certification in Tennessee is desired, Education 334 and four additional hours in natural science must be taken as well. Presentation of a half-recital is encouraged.

Opera/Musical Theatre

The major in Opera/Musical Theatre requires a total of 73 credit hours, including 59 hours in courses and lessons, eight credit hours in musical ensembles, and six hours in related courses. Required courses in music are 101, 102, 111, 112, 121-123, 201, 202, 302-304, 401-403, and 351-352. Twenty-four hours of applied voice must be completed. Of the eight hours in musical ensemble, six must be earned in the College choir. Related courses are Theatre 212 and either 211 or 321. Students are also encouraged to complete three hours in dance, available through the Van Metre School of Dance.

Performance

The major in performance consists of 67 credit hours in courses and lessons, and eight credit hours in ensemble participation. Required courses are 101, 102, 111, 112, 121-123, 201, 202, 211, 212, 221, 222, 301-304, 308, 401-403, and 351-352. Twenty-four credits in applied music (usually two per term) are also required, including a half recital in the junior year and a full recital in the senior year.

098. INTRODUCTION TO THEORETICAL SKILLS
Classes in aural and visual comprehension of notation, meter, intervals, and scales in preparation for Music 101. A development course for which college credit is not given.

099. PIANO FUNDAMENTALS
Instruction in basic musicianship and keyboard technique to enable students to develop the skills necessary to pass the piano proficiency examinations. A developmental course for which college credit is not given.

101. BASIC STRUCTURES OF MUSIC AND ELEMENTARY COUNTERPOINT
The aural and visual comprehension of musical elements and their application. Fundamentals, basic melody, decorative pitches, developmental processes in melody writing, voices in combination, and chord structure. 3 credit hours

102. INTERMEDIATE PART-WRITING
Four-voice homophonic texture, functional chords and the dominant seventh, inversions, two- and three-part form, secondary dominants, and modulation. 3 credit hours

Prerequisite: Music 101.

111. SOLFEGE AND DICTATION I
Practice of rhythmic exercises sung to the syllables of solmization, which prepares the student in the inner hearing of musical notation and sight reading. Evaluation by oral and written testing. To be taken simultaneously with Music 101. 1 credit hour

112. SOLFEGE AND DICTATION II
Continuation of Music 111. To be taken simultaneously with Music 102. 1 credit hour

Prerequisite: Music 111.

121. EURHYTHMICS I
The experience and study of musical concepts and materials by means of body movement, based on the premise that music is an art that utilizes time, space, and energy in its production. Work with beat, meter, and tempo, rhythmic patterns, body technique, complementary rhythms, coordination, excitation-inhibition, direction. 1 credit hour

122. EURHYTHMICS II
Continuation of Eurhythmics I, with more complex musical tasks, including canons, quick reaction and memory, syncopation, phrase, dynamics, articulation, augmentation-diminution. 1 credit hour

Prerequisite: Music 121.

123. EURHYTHMICS III
Continuation of Eurhythmics II, working with polymetrics, polyrhythms, uneven measures, improvisation, gesture, anacruisis/crusis, compound time. 1 credit hour

Prerequisite: Music 122.

201. ADVANCED COUNTERPOINT
Study of nondominant sevenths, embellishing diminished chords, Neapolitan and augmented sixth chords, invention, and fugue. 3 credit hours

Prerequisite: Music 102.

202. ADVANCED HARMONY
Consideration of chorale prelude, variation, and sonata-allegro forms; ninth, eleventh, and thirteenth chords; foreign modulation; 20th-century melody, harmony, and tonality; atonality and serialism. 3 credit hours

Prerequisite: Music 201.

211. SOLFEGE AND DICTATION III
Continuation of Music 112, to be taken simultaneously with Music 201. 1 credit hour

Prerequisite: Music 112.

212. SOLFEGE AND DICTATION IV
Continuation of Music 211, to be taken simultaneously with Music 202. 1 credit hour

Prerequisite: Music 211.

221. ORCHESTRATION AND CONDUCTING I
Aural and visual examination of writing techniques for string, woodwind, brass, and percussion instruments from 1700 to the present with practice of basic conducting patterns and rehearsal techniques. Transcribing simple piano music for small ensemble with practicum in rehearsing/conducting those transcribed works. 1 credit hour

Prerequisite: Music 102.

222. ORCHESTRATION AND CONDUCTING II
Examination of scoring for combined sections, less frequently used instruments, and the human voice as an orchestral timbre. Advanced score reading and conducting techniques, with transcription and conducting practice of hymns and additional keyboard works. 1 credit hour

Prerequisite: Music 221.

225. STRING METHODS I
Study of basic violin and viola technique including posture, note reading and teaching methods through second-year elementary strings class. 1 credit hour
Offered 1983-84 and alternate years

226. STRING METHODS II
Study of basic cello and bass technique including posture, note reading and

teaching methods through second-year elementary strings class. 1 credit hour
Offered 1983-84 and
Prerequisite: Music 225. alternate years

227. BRASS METHODS
An introduction to the entire brass instrument family. Emphasis is placed on elementary performing ability on trumpet, trombone, baritone, and French horn. 1 credit hour
Offered 1983-84 and
alternate years

301. MUSIC HISTORY AND STYLES: ANTIQUITY THROUGH THE 16TH CENTURY
A study of the origins of music, its direction of development in Eastern and Western Asia and Africa, and its historical development in Europe to the 16th century. Emphasis is placed on the study of musical trends and styles through listening as well as analysis. Bibliography and independent research are included. 3 credit hours
Offered 1983-84 and
alternate years

302. MUSIC HISTORY AND STYLES: 17TH AND 18TH CENTURIES
A study of European music from Monteverdi to Haydn and Mozart. Emphasis is placed on listening and analysis of scores of the leading composers of these centuries. Bibliography and independent research are included. 3 credit hours
Offered 1982-83 and
Prerequisite: Music 102. alternate years

303. MUSIC HISTORY AND STYLES: 19TH CENTURY
A study of Western music from Beethoven to Mahler and Richard Strauss. Emphasis is placed on listening and analysis of scores of the leading composers. Bibliography and independent research are included. 3 credit hours
Offered 1983-84 and
Prerequisite: Music 201. alternate years

304. MUSIC HISTORY AND STYLES: 20TH CENTURY
Listening and analysis of stylistic innovations in Western music from Debussy to the present. Composers are studied through biographical sketches, compositional listings, and analyses of representative works. The course includes study of bibliographies, preparation of research journals, and presentation of oral and written reports. 3 credit hours
Offered 1982-83 and
Prerequisite: Junior standing or above. alternate years

305. MUSIC IN THE CHURCH
A study of the music of the church with attention to the traditions within which the music was composed as well as the contemporary use of this music in worship. The course includes supervised experience in a church situation.
3 credit hours
Offered as
Prerequisite: Junior or senior standing. demand warrants

306. ELEMENTARY SCHOOL MUSIC
A course in music for classroom teachers. Emphasis is placed on singing, song leading, and performance of song accompaniments on guitar and recorder.
2 credit hours
Offered 1983-84 and
Prerequisite: Junior or senior standing. alternate years

308. PEDAGOGY FOR APPLIED MAJORS
A study of various teaching techniques, and a practical introduction to materials and procedures. Emphasis on observation, with opportunity for practical application. 1 credit hour
Offered 1983-84 and alternate years

321. ADVANCED CONDUCTING
The course is designed to develop conducting skills, rehearsal technique, and score reading ability. Students gain practical experience in conducting an ensemble along with their classroom work. 2 credit hours

Prerequisite: Music 222.

325. WOODWIND METHODS I
An introduction to woodwind instruments. Emphasis is placed on elementary performing ability on clarinet, flute, and saxophone. 1 credit hour
Offered 1982-83 and alternate years

326. WOODWIND METHODS II
An introduction to double-reed woodwind instruments. Emphasis is placed on elementary performing ability on oboe and bassoon. 1 credit hour
Offered 1982-83 and alternate years

327. PERCUSSION METHODS
An introduction to percussion instruments. Emphasis is placed on performance on the snare drum. 1 credit hour
Offered 1982-83 and alternate years

350. INDIVIDUAL STUDY IN MUSIC
An advanced individual study course. The subject matter is variable according to the needs of the student. 3 credit hours

351-352. INDEPENDENT STUDY
Individual study, with the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.
6 credit hours

401. LITERATURE IN MAJOR APPLIED FIELD I
A chronological survey of the standard repertoire of each performance medium through score study, record listening, and performance. 1 credit hour
Offered as demand warrants.

402. LITERATURE IN MAJOR APPLIED FIELD II
A continuation of Music 401. 1 credit hour
Offered as demand warrants.

403. LITERATURE IN MAJOR APPLIED FIELD III
A continuation of Music 402. 1 credit hour
Offered as demand warrants.

Applied Music

The study of applied music is central to all curricula in music and is a valuable elective for students in majors other than music. One credit hour per term is earned for a half-hour lesson and at least five hours practice per week. Two credit hours per term are earned for an hour lesson or two half-hour lessons each week and at least 10 hours practice per week.

Composition
Development of basic techniques in the structure and craft of musical composition. Writing in all forms according to individual abilities.

Prerequisite: Music 102.

Guitar
Proper foundation for right and left hand techniques. Emphasis on classical etudes and tone production. Repertoire ranging from early lute music to contemporary guitar compositions.

Harpsichord
Manual techniques and principles of registration. Study of ornamentation, phrasing, and various tonal attacks. Repertoire to include recitative and aria accompaniment style in such works as Handel's *Messiah* and other works as specified by the instructor.

Organ
Manual and pedal technique, proficiency in contrapuntal style, and fundamental principles of registration. A minimum standard repertoire specified by the instructor, covering representative styles. Accompanying of hymns, anthems, service music, and soloists.

Percussion
Studies in Snare Drum, Tympani, and Mallet instruments, including solo and orchestral literature. A minimum standard repertoire covering representative styles, specified by the instructor.

Piano
Proficiency in all major and minor scales and basic keyboard techniques, pedaling, tone production and phrasing, selected etudes, and a minimum standard repertoire. Accompanying experience.

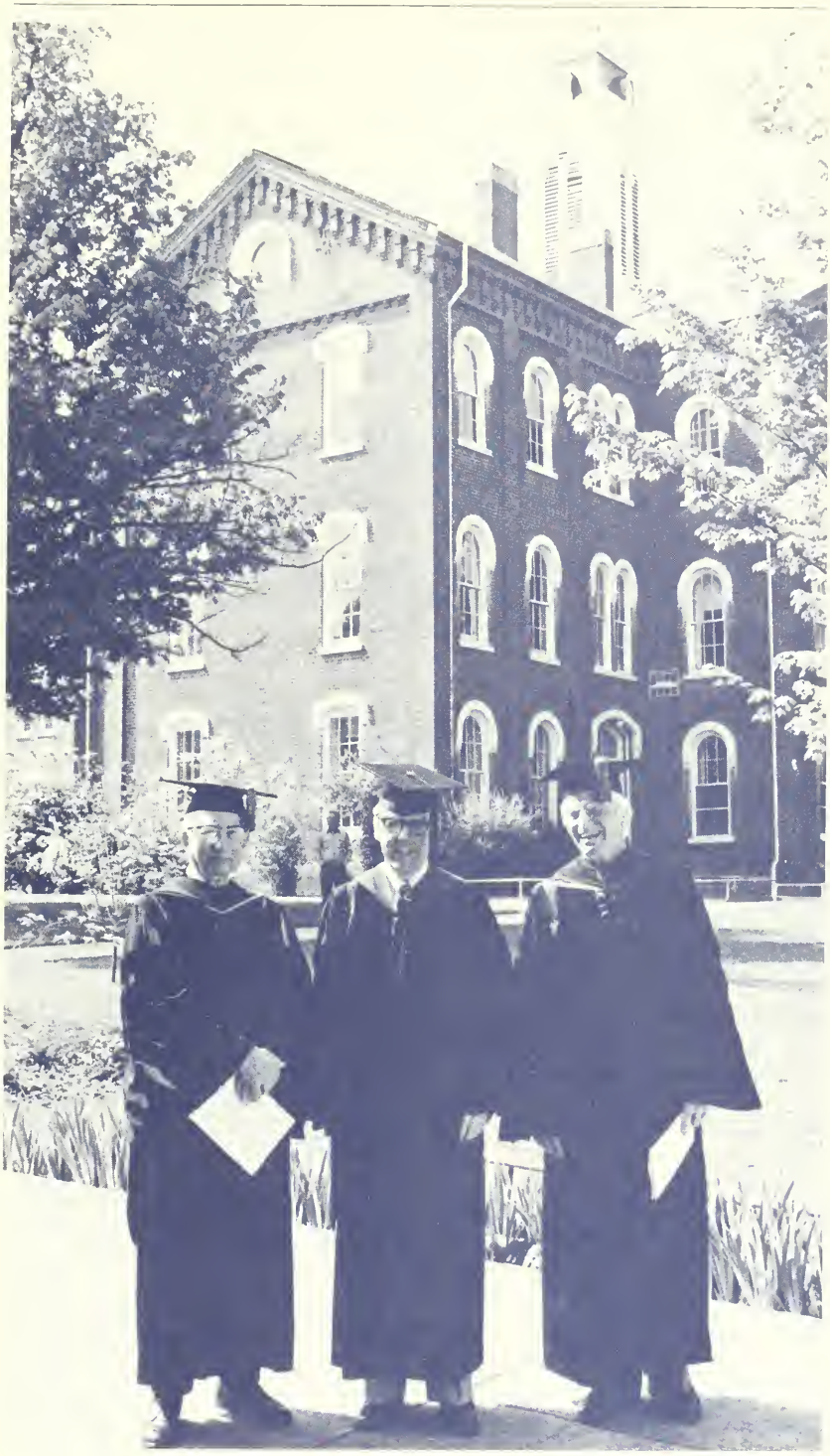
String Instruments (Violin, Viola, Cello, Double Bass)
Selected studies adapted to the individual needs of the student. A minimum standard repertoire for solo and orchestral media covering representative styles, specified by the instructor.

Voice
Development and control of the mechanism, tone building, controlled breathing, and the physical activity of singing. A minimum standard repertoire specified by the instructor, covering representative styles.

Wind Instruments (Brasses, Woodwinds)
Basic fundamentals and techniques in study methods for the particular instrument. A minimum standard repertoire in solo and orchestral media, covering representative styles, specified by the instructor.

Ensemble Credit

The College Choir, the Maryville-Alcoa College-Community Orchestra, and the Highlander Wind Ensemble are open to all students. Two credit hours per year may be earned by participation in one of these organizations.



Directory

Officers and Faculty 1982-1983

(The year following title is that of first appointment)

Principal Administrative Officers

WAYNE ANDERSON
President (1977)
On the Mr. and Mrs. Charles Oscar Miller Memorial Foundation
B.A., University of Minnesota; M.P.A., Princeton University; Ph.D., Georgetown University.

ALFRED PERKINS
Academic Vice President (1978)
B.A., Mercer University; M.A., Ph.D., Harvard University.

ROBERT ARCHIBALD ELLIS, JR.
Vice President for Development (1981)
B.A., Emory & Henry College; M.A., University of Tennessee, Knoxville; University of Tennessee College of Law.

DENNIS C. GRAHAM
Vice President for Administration (1981)
B.A., University of South Florida; M.S., Johns Hopkins University; CPA.

WILLIAM R. STRICKLAND
Vice President for Student Affairs (1980)
B.A., Maryville College; B.D., Louisville Presbyterian Theological Seminary; M.A., Duke University; University of North Carolina at Chapel Hill.

S.M. ATCHLEY
Director of the Center for Professional Development (1978)
B.A., Maryville College; M.S., University of Tennessee, Knoxville.

PETER A. VIAL
Campus Minister (1981)
B.A., Maryville College; M.Div., Pittsburgh Theological Seminary.

LARRY M. WEST
Director of Admissions (1980)
B.A., M.A., Baylor University.

Administrators Emeriti

JOSEPH J. COPELAND
President Emeritus (1961)
B.A., Trinity University; B.D., McCormick Theological Seminary; Honorary Degrees: D.D., Trinity University; LL.D., Maryville.

RALPH WALDO LLOYD
President Emeritus (1930)
B.A., Maryville College; B.D., McCormick Theological Seminary; Honorary Degrees: D.D., Maryville; LL.D., Centre College and University of Chattanooga; Litt.D., Lake Forest College and Westminster College; L.H.D., Lincoln Memorial University; S.T.D., Blackburn College; Pd.D., Monmouth College.

FRANK DeLOSS McCLELLAND
Dean Emeritus (1937)
B.A., Grove City College; Pennsylvania State University; M.S., LL.D., Grove City College

Faculty

WAYNE ANDERSON
Professor of Political Science (1977)
B.A., University of Minnesota; M.P.A., Princeton University; Ph.D., Georgetown University.

CARROLL D. BARGER
Assistant Professor of Art (1978)
B.F.A., M.F.A., University of Tennessee, Knoxville.

CHARLOTTE HUDGENS BECK
Associate Professor of English (1966)
B.Mus., M.A., Ph.D., University of Tennessee, Knoxville.

THELMA E. BIANCO
Assistant Professor of Art (1971)
B.S.Ed., Texas Technological University; M.A., Texas Women's University; East Tennessee State University.

CAROLYN LOUISE BLAIR
Professor of English, Chairman of the Department of Languages and Literature (1948)
B.A., University of Montevallo; M.A., Ph.D., University of Tennessee, Knoxville.

JAMES ALBERT BLOY
Professor of Music, Chairman of the Fine Arts Department (1953)
B.A., B.Mus., North Central College; M.Mus., Eastman School of Music; S.M.D., School of Sacred Music, Union Theological Seminary.

DEAN ALLEN BOLDON
Associate Professor of Sociology, Chairman of the Division of Social Sciences (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D., Vanderbilt University.

ROBERT JOHN BONHAM
Associate Professor of Music (1965)
B.Mus., Phillips University; M.Mus., University of Kansas; Ph.D., Ohio University.

EXIR R. BRENNAN
Associate Professor, Director of the Library (1980)
B.A., M.L.S., University of Alabama.

SHARON GREY BROWN
Instructor in Health, Physical Education; Women's Volleyball Coach
B.S., Carson-Newman College; M.S., University of Tennessee, Knoxville.

SCOTT BRUNGER
Assistant Professor of Economics (1982)
B.A., Yale University.

TERRY ALLEN BUNDE
Associate Professor of Chemistry (1977)
B.S., Rollins College; Ph.D., University of Florida; Baylor College of Medicine.

ARTHUR STORY BUSHING
Associate Professor of English (1947)
B.A., Maryville College; M.A., University of Tennessee, Knoxville.

DAVID RAY CARTLIDGE
Associate Professor, Chairman of the Department of Religion and Philosophy (1966)
A.B. College of Wooster; B.D., McCormick Theological Seminary; Th.D., Harvard University.

DAVID ALLEN COOPER
Assistant Professor of Health and Physical Education (1980)
B.S.Ed., M.Ed., Ed.D., University of Georgia.

WILLIAM HUNTER DENT
Professor, Chairman of the Department of Mathematics, Physics and Computer Science (1964)
B.A., Maryville College; M.S., University of Kentucky; Ph.D., University of Tennessee, Knoxville.

ELIZABETH THOMAS FOWLER
Professor of English (1969)
B.A., Birmingham-Southern College; B.D., Vanderbilt University; M.A., Ph.D., University of Tennessee, Knoxville.

VERA WILSON GILMORE
Instructor and Independent Study Editor (1976)
B.A., Maryville College; M.A., University of Tennessee, Knoxville.

ERNEST PRESTON GOSS
Instructor in Economics (1981)
B.A., University of South Florida; M.B.A., Georgia State University; University of Tennessee, Knoxville.

JOHN ROBERT HARDWIG
Associate Professor of Philosophy (1979)
B.A., Yale University; Ph.D., University of Texas.

DAVID C. HOFFECKER
Assistant Professor of Music (1982)
B. Mus., M.Mus., Eastman School of Music; M.T.S., Gordon-Conwell Theological Seminary.

HARRY LEE HOWARD
Associate Professor of Political Science (1976)
B.A., Tennessee Wesleyan College; M.A., M.Th., Southern Methodist University; Ph.D., University of Tennessee, Knoxville.

CHARLES F. HUGHES
Instructor in Business Administration (1982)
B.S., M.S., University of Tennessee.

JAMES WILSON JOHNSTON
Assistant Professor of Biology/Health and Physical Education (1979)
B.S., M.S., Ph.D., University of Tennessee, Knoxville.

YOUNG-BAE KIM
Professor of Political Science, Coordinator of International Studies (1979)
B.A., Yonsei University; M.S. Indiana University; Ph.D., University of Kansas.

MARJORIE THIEL KRATZ
Associate Professor of History (1968)
B.A., M.A., University of Massachusetts; Ph.D., University of Oregon.

EDITH MERLE LARGEN
Associate Professor, Chairman of the Department of Health, Physical Education and Recreation (1949)
B.S., Maryville College; M.S., University of Tennessee, Knoxville.

WALLACE LEIGH LEWIS
Associate Professor of History (1962)
B.A., University of Akron; M.A., Ph.D., University of Iowa.

KATHRYN WORLEY MARTIN
Assistant Professor of Spanish (1950)
B.A., M.A., Vanderbilt University; University of Madrid.

ROBERT JAMES NAYLOR
Associate Professor, Chairman of the Department of Biology and Chemistry (1975)
On the Aluminum Company of America Foundation
B.A., Butler University; Ph.D., Case Western Reserve University.

JOHN W. NICHOLS
Associate Professor of Mathematics (1967)
B.S., Maryville College; M.S., Ph.D., University of Tennessee, Knoxville.

CHOI PARK
Assistant Professor, Catalogue Librarian (1970)
B.A., Ewha Women's University; M.L.S., George Peabody College for Teachers of Vanderbilt University.

RUSSELL DEAN PARKER
Professor of History, Secretary of the Faculty, Coordinator of American Studies (1964)
B.A., Lincoln Memorial University; M.A., Ph.D., University of Tennessee, Knoxville.

ALFRED PERKINS
Professor of History (1978)
A.B., Mercer University; M.A., Ph.D., Harvard University.

JAMES DEE PICKENS
Assistant Professor of Psychology (1976)
B.A., Ohio State University; Ph.D., University of Tennessee, Knoxville.

WILLIAM F. POLLARD, JR.
Associate Professor of English, Coordinator of Medieval Studies
B.A., Centre College; M.A., M.Div., Ph.D., Duke University.

MARILYN ROBERTA POLLIO
Associate Professor of Education, Director of the Learning Center (1973)
B.A., Brooklyn College; M.S., Ed.D., University of Tennessee, Knoxville.

ROBERT CLINTON RAMGER
Associate Professor of Biology (1956)
B.S., Maryville College; M.S., Ph.D., University of Tennessee, Knoxville; University of Minnesota.

CAROL CATHEY ROBERTS
Instructor, Audio-Visuals Librarian and Cataloguer (1977)
B.A., University of South Carolina; M.S.L.S., University of Tennessee, Knoxville.

SALLIE WARTH SCHOEN
Associate Professor of Music (1955)
B.Mus., Oberlin Conservatory of Music; M.Mus., Indiana University; Mozarteum, Salzberg. Dalcroze Certificate, Ithaca College.

VICTOR ROBERT SCHOEN
Assistant Professor of Music (1955)
B.A., Miami University; M.Mus., Indiana University; Mozarteum, Salzberg.

MARGARET TURNER SHERER
Professor, Chairman of the Department of Education (1966)
B.F.A., Oklahoma City University; M.S., Ed.D., University of Tennessee, Knoxville.

KENT SKINNER
Instructor in Music (1981)
B.A., M.Mus., University of Northern Colorado; M.Mus., University of Texas at Austin.

JUDITH HAAS SUMNER
Associate Professor of Biology (1978)
A.B., Vassar College; M.S., Ph.D., University of Massachusetts.

DONALD RAY THOMAS
Instructor in Speech and Theatre (1979)
B.A., M.A.C.T., University of Tennessee, Knoxville.

ARDA SUSAN WALKER
Professor, Chairman of the Department of History (1948)
B.A., Maryville College; M.A., University of Tennessee, Knoxville; Ph.D., University of North Carolina; Sorbonne.

JERRY EARL WATERS
Professor of Psychology, Chairman of the Departments of Psychology and Sign Language/Interpreting
B.A., Maryville College; M.A., Ph.D., University of Kentucky.

ROBERT E. YAGER
Assistant Professor of Physics (1978)
B.A., Harvard University; M.A., Ph.D., Rice University.

IRMA KLEEB YOUNG
Assistant Professor of Sign Language/Interpreting (1974)
Certificate, Registry of Interpreters for the Deaf; Comprehensive Skills Certificate; Oral Interpreting Certificate; Comprehensive Special Certificate: Legal; Certification by Sign Interpreting Guidance Network: Comprehensive.

DAVID CHIEN-SENG YU
Visiting Professor of Religion and Philosophy (1983)
LL.B., Soochow University; B.D., Nanking Theological Seminary; Th.M. Central Baptist Theological Seminary; M.A., University of Missouri; Ph.D., University of Chicago.

Adjunct Faculty, 1982-1983

DUNCAN VENABLE CRAWFORD
Business Law (1974)
B.S., Southwestern-at-Memphis; J.D., University of Tennessee, Knoxville.

MARY ANN FENNELL
Music (1980)
B.Mus., Muskingum College; M.Mus., University of Tennessee, Knoxville.

BARBARA HERSHEY HANDLER
Mathematics (1980)
B.A., M.A., Michigan State University.

RANDALL DEAN LAMBERT
Physical Education; Basketball Coach (1980)
B.A., Maryville College; M.S., University of Tennessee, Knoxville.

KRISTIN B. PROUGH
French and German (1980)
B.S., M.A., University of Tennessee, Knoxville.

OLGA MICHELE WELCH
Psychology (1981)
B.A., Howard University; M.S., Ed.D., University of Tennessee, Knoxville.

SARAH S. WHEELER
Music (1975)
B.S. Mus., University of North Carolina at Greensboro.

Administration

DONNA F. DAVIS
Administrative Assistant to the President (1979)
University of Tennessee, Knoxville.

NORMA EDMONDSON
Assistant Director of Admissions (1978)
B.A., Maryville College.

THOMAS W. GARSOMBKE
Director of Continuing Education (1982)
B.S., Marquette University; M.I.A., School for International Training; Northeastern University.

ELEANOR C. GILMORE
Director of Alumni Relations (1977)
B.A., Montclair State College; University of Tennessee, Knoxville.

MARTHA LEE HESS
Registrar (1974)
B.A., Maryville College.

JEAN E. JONES
Director of Career Planning and Placement (1975)
B.A., M.S., University of Tennessee, Knoxville.

ALAN KINES
Assistant Communications Director (1982)
B.S., University of Tennessee, Knoxville.

WILLIAM ALAN McTIER
Admissions Counselor (1982)
B.A., Emory University

JUDITH A. MIZELL
Director of Communications (1976)
B.S., University of Tennessee, Knoxville.

LESLIE NIER
Assistant Director of Admissions (1979)
B.A., Maryville College

ARTHUR G. OGDEN
Athletic Director and Head Football Coach (1980)
B.A., LaSalle College; M.A., University of Delaware.

DANIEL J. PERKINS
Director of Financial Aid (1979)
B.A., Glenville State College.

ELIZABETH WELSH RANKIN
Office Manager for Development; Director of Campus Events (1959)
B.A., Maryville College.

JANE G. RICHARDSON
Associate Dean of Students (1976)
B.S., University of Tennessee, Knoxville.

AUSTIN LEE SHAMBLIN
Director of Computer Services (1979)
B.S., Miami University.

WILLIAM OTTO SLATER
Physical Plant Director; Assistant Business Manager (1981)
Fairleigh Dickinson University.

LINDA STEPHENS
Controller (1979)
B.B.A., Georgia State University; CPA.

TERRY E. WHITTUM
Admissions Counselor (1982)
B.S., Music Ed., Plymouth State College

Board of Directors

Class of 1983

Nancy Axelrod, B.A., Washington, D.C.
Edwin Jones Best, B.A, *Secretary*, Maryville.
Tutt Bradford, Maryville.
Richard Chait, Ph.D., University Park, PA.
Bernice Humphreys, B.S., Cordova.
Thomas S. Kleppe, B.A., Winter Haven, FL.

David W. Marston, J.D., Philadelphia, PA.
Louise Lloyd Palm, M.A., Stony Point, NY.
Daniel Sullivan, M.B.A., New York, NY.
Sharon Youngs, B.A., Atlanta, GA.

Class of 1984

Lamar Alexander, J.D., Nashville.
Marie Gadsden, Ph.D., Washington, D.C.
Barbara Anne Kerr, B.A., Richmond, VA.
Harold D. Lambert, Maryville.
John T. Mathison, M.Div., Maryville.
Judson B. Murphy, *Assistant Secretary*, Alcoa.
Harwell Proffitt, B.S., Alcoa.
George D. Webster, LL.B., Washington, D.C.,
Hilton Wick, LL.B., Burlington, VT.

Class of 1985

Wayne Anderson, Ph.D., Maryville.
Edmund Carver, D.D., Knoxville.
Carle M. Davis, B.S., *Chairman*, Maryville.
Paul Fox, B.A., Richmond, VA.
Lee Weigel Patten, B.A., Flintstone, GA.
James N. Proffitt, M.D., Maryville.
Richard E. Ray, B.S., Maryville.

Emeritus Board

Daisy A. Douglas, B.A., LL.D., Wiersdale, FL.
Mildred Doyle, M.S., LL.D., Knoxville.
Joe C. Gamble, LLB., LL.D., Maryville.
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Albert Dubois Huddleston, Esq., Knoxville.
Julian Johnson, M.D., Gladwyne, PA.
James Hayden Laster, D.D., Maryville.
Ralph Waldo Lloyd, D.D., LL.D., Litt.D., Bradenton, FL.
John Nevius Lukens, D.D., Birmingham, AL.
Samuel M. Nabrit, Ph.D., Atlanta, GA.
David Wilson Proffitt, LL.D., Maryville.
Hilton Smith, Ph.D., Knoxville.
Algie Sutton, B.A., Birmingham, AL.
Harold Blake Walker, D.D., Evanston, IL.

Honorary Directors

Earl W. Blazer, B.A., Maryville.
John Magill, D.D., Cape Coral, FL.

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615/982-6412

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